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Audubon Field Notes

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51st CHRISTMAS BIRD COUNT

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Wilson Ornithological Club

AUDUBON FIELD NOTES

A bimonthly magazine devoted to reporting the distribution, migration and abundance of birds

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APRIL 1951
Vol. 5, No. 2

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Cover photograph of Red-breasted Nuthatch by Allan D. Cruickshank.

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CONTENTS

Fifty-first Christmas Bird Count 43
Bird Counts 45
Alabama 243
Arizona ..... No. 400-404
Arkansas 315-316
California 410-429
Canada 1-18
Colorado 382-390
Connecticut 46-52
Delaware ..... -125
Florida 176-192
Georgia 170-175
Hawaii ..... -432
Idaho ..... -397
Illinois 268-283
Indiana 257-267
Iowa 299-308
Kansas 309, 345-352
Kentucky 226-236
Lousiana 317-320
Maine 19-22
Maryland 126-138
Massachusetts 31-44
Mexico 430-431
Michigan 247-256
Minnesota 294-298
Mississippi 244-246
Missouri 309-314
Montana 378-380
Nebraska 332-344
Nevada ..... -405
New Hampshire 23-26
New Jersey 87-101
New Mexico 391-396
New York 59-86
New York, Long Island 53-58
North Carolina 153-164
234-235
North Dakota 321-323
Ohio 193-219
Oklahoma 354-360
Oregon 407-409
Pennsylvania 102-124
Rhode Island 44-45
South Carolina 165-169
South Dakota 324-331
Tennessee 233-242
Texas 315, 361-377
Utah 398-399
Vermont 27-30
Virginia 140-152
Washington 406
Washington, D. C. 139
West Virginia 220-225
Wisconsin 284-293
Wyoming 381
Summary of Largest Counts of Individuals...185

Fifty-First Christmas Bird Count

ONCE AGAIN during Christmas week bird counters from every State and from four Canadian Provinces joined forces to carry out the most intensive series of bird counts yet undertaken on this continent. In spite of the discomforts of wind, snow, ice and rain, or temperatures as low as thirty-eight degrees below zero, the number of participants continued to soar, as did the number of reports submitted. More important than the increasing number of reports, however, is the constant improvement of their quality. The total mileage covered in continental United States and Canada rose from 35,300 in 1949 to 45,900 in 1950, and the number of party-miles covered on foot increased from about 9000 to 10,000. A tabular comparison of the counts published during the past five years shows that only the total number of individual birds remains highly variable from year to year. This figure depends primarily on the coverage of a very few strategic areas where enormous concentrations occur, and cannot be taken as any indication of actual changes in the abundance of any species. The principal reasons for the drop in total individuals on the 1950 Christmas Count were the lack of reports from Sacramento National Wildlife Refuge in California (which reported more than 900,000 waterfowl in 1949), and Monomoy Point, Massachusetts (which included 300,000 Common Eiders last year), and lower estimates of blackbirds, starlings, and robins at several roosts in the South.

Year	Reports Printed	Total Individuals	Total Observers	No. with 100 Sp.	Largest No. of Species
1946	316	1,900,000	3140	15	151
1947	314	5,600,000	3470	18	163
1948	357	8,800,000	3670	21	146
1949	403	8,600,000	4615	28	151
1950	432	6,500,000	4875	32	172

Variety.—Harlingen, Texas, once more shattered the all-time record for number of species identified north of Mexico; their new total of 172 is not likely to be broken anywhere else in this area. Other localities reporting 125 species or better were the following: Laguna Atascosa National Wildlife Refuge, Tex., 152; Wilmington, N. C., and Los Angeles, Calif, 147; Sabine Migratory Waterfowl Refuge, La., 142; Charleston, S. C., and St. Petersburg, Fla., 137; St. Marks National Wildlife Refuge, Fla., 135; and Panacea, Fla., 128. Probably the most astonishing count was that obtained in Newport County, R. I., where 114 species were identified; this is the largest number ever reported on a Christmas Count north of Cape May in southern New Jersey. Other high counts that seem to deserve special mention are: St. Francisville, La. (where John James Audubon did much of his work), 113; Santa Catalina Mountains, Ariz., 113; Pasadena, Calif., 111; Southern Nassau County, N. Y., 109; Portland, Oreg., 89; Glenolden, Pa., 86; Salt Lake City, Utah, 85; Fort Worth, Tex., 83; Imperial National Wildlife Refuge, Ariz., 82; Pere Marquette State Park, Ill., 73; Buffalo, N. Y., 71; Hamilton, Ont., 69; Denver, Colo., 59; Milwaukee, Wis., 58; Keuka Lake, N. Y., 54; Northampton, Mass., 50; Brunswick, Me., 47; Montreal, Que., 40; Sioux City, Iowa, 40; Bismarck, N. Dak., 25; Fortine, Mont., 23; and Winnipeg, Man., 22.

Rarities.—For the fourth year a summary of highest counts of individuals appears at the end of this issue. A great many rarities are referred to in this list. Many others, as well as unusually high counts of individuals have been indicated by boldface type in the various reports. The editors made a careful check of all birds which the compilers had indicated for boldface type, but made no attempt to designate boldface on counts where the compiler had failed to do so. The editors feel that the use of prominent type for outstanding counts and rarities increases the usefulness of the Christmas Count issue, and they suggest that those participants who failed to note the instructions for the use of boldface type on page 183 of the April 1950 issue keep these in mind when preparing next year's report. The outstanding find of the present Christmas season was a Ruddy Ground Dove at Harlingen, Texas, the first of this species ever reported in the United States. It is interesting to note that of the five species reported for the first time on Christmas Counts last year, three were found again this year: the Wandering Tattler at coastal Orange County, Calif. (San Diego last year); the Gray Vireo at Big Bend National Park, Tex. (Tucson last year); and the Black-headed Grosbeak at El Paso (Los Angeles last year).

General trends.—Unseasonably high temperatures were the rule throughout November and December from the Rocky Mountains and Texas westward and also in New England. On the other hand, the interior of the continent and the Southeast experienced subnormal temperatures with remarkable consistency throughout this period. Heavy snows fell at most northern locations, but in the Southwest, from southern California to Texas, a serious deficiency of rainfall combined with the high temperatures to create severe drought conditions. All of these factors are reflected in the Christmas Bird Counts, and are noticeable not only in the distribution of certain species, but also in the total number of species in various parts of the country. In New England, where the temperature excess was most extreme, nearly all groups reported more species than last year. In parts of the Mid-west, on the other hand, there was an equally consistent drop in variety.

The freezing over of the waterfowl concentration areas in Chesapeake Bay and of many ponds and lakes from Tennessee northward caused a noticeable southward shift in wintering waterfowl.

There were few reports of Goshawks, and Rough-legged Hawks were decidedly less common than last year. Four Ospreys in the Northeast, however, attest to the mild season in that part of the continent.

There was a decided increase in Wilson's Snipe near the northern limit of winter abundance at

Portland and Eugene, Oreg., at Danville, Ky., Memphis, Tenn., and Moon Lake, Miss., but the extreme reports fall along about the same line as last year: Fortine, Mont., St. Paul, Minn., Lake Geneva, Wis., Lafayette, Ind., New Bloomfield, Pa., Ridgewood, N. J., and Wellesley and Cape Cod, Mass.

Alcids were recorded in the usual small numbers despite the large flights in the northeast following the late November storm.

The "echo" flight of Snowy Owls covered nearly the same pattern as last year, but the number of individuals reported dropped from 145 to 55, and the number of areas reporting the species (31) was little better than half last year's number. The southernmost records were at Lake Bowdoin Refuge, Mont., Lacreek Refuge, S. Dak., Lake Geneva, Wis., Ashtabula and Youngstown, Ohio, Western Long Island, and Orient Point, L. I. The only localities reporting more than 4 individuals were Montreal with 6 and Newburyport, Mass., with 8. (See page 65 of April 1950 issue for map of last year's flight.)

Among the half-hardy insectivorous species, the Eastern Phoebe was prominent to the north of its usual wintering range, being noted at Bowling Green and Louisville, Ky., Charleston, W. Va., Reading, West Chester, Glenolden and Richboro, Pa., and Moorestown, Princeton, and Long Branch, N. J. Thirty-two individuals were counted in Maryland, as compared with an average of 8 over the past three years. One stray bird was identified in the Santa Catalina Mountains, Ariz.

The distribution of Blue Jays was quite spotty, but numbers were definitely down in parts of New England, and showed a considerable increase in vicinity of Fall Line in Maryland and Virginia.

The Red-breasted Nuthatch received wide comment, but more for its scarcity than for its abundance. Actually, it was fairly evenly, though locally, distributed across the continent, forty per cent of the 276 birds reported being found east of the Mississippi River and sixty per cent to the west. It is difficult to account for the absence of any Red-breasted Nuthatches on Pennsylvania Counts, while Ohio had 16; Ontario, 23; New York, 24; New Jersey, 8; and Maryland, 2. They were most consistently recorded in the Pacific Coast and Great Plains states and in the Southwest. The highest counts (12 to 26) were made at Spokane, Wash., Yosemite, Oakland and San Francisco, Calif., Santa Fe., N. Mex., Duluth, Minn., Saranac, N. Y., and Ottawa, Ont. The White-breasted Nuthatch also was widespread in the Southwest.

Winter Wrens, which received comment for being recorded far to the North last winter, reached even farther and in greater numbers this present season. The northernmost localities were Iowa City, Iowa, Lake Geneva, Wis., Detroit, Mich. (4 individuals), London, Ont. (7), Toronto (14!), Ottawa, and Montreal. Five House Wrens were counted in Rhode Island, and others at three localities in Pennsylvania.

Catbirds were not found much farther north than in the past two years, but numbers were a little higher than usual in the Middle Atlantic States; 29 were recorded at Cape May, N. J., 6 at South Kingston, R. I., 4 in Newport County, R. I., and 3 in Rockland County, N. Y. and Westport, Conn. The northern limits were at Cincinnati and Cuyahoga Falls, Ohio, Lewisburg, Pa., and Northampton, Ware and Provincetown, Mass. Extremes for wintering Brown Thrashers were at Newton, Kans., East St. Louis, Ill., Jamestown and Rockland County, N. Y., Orient Point, L. I.

The Evening Grosbeak made up for its scarcity in the East by a widespread appearance in the western states. Colorado reported more of this species than did any other state, and the highest single count was obtained at Salt Lake City. The southernmost birds were found at Big Bear Lake, Calif., Santa Fe, N. Mex., El Paso, Tex., Kansas City and Portage des Sioux, Mo., Cleveland, Ohio, and Cumberland, Catoctin Mountain, and Ocean City, Md.

After widespread reports of Red Crossbills during the autumn months, the Christmas distribution was disappointing. Except for a belt extending from Ontario southwestward to Nebraska and Kansas, they were found only at widely scattered localities. There were no reports east of the Appalachians, and in the West the Red Crossbill was found only at Spokane and Tucson.

Observers.—Harry B. McConnell at Cadiz, Ohio, completed a series of 50 consecutive Christmas Bird Counts at Cadiz, Ohio, excluding four earlier unpublished counts which give him a continuous record for fifty-four years in the same area. Charles H. Rogers of Princeton, New Jersey, made his fifty-first published count this year.

Those who marvel at the very high numbers of individuals reported for some of the common species at northern localities such as Portland, Oreg., Detroit, Mich., Toronto, Ont., and Ridgewood, N. J., should note the correlation between the number of birds counted and the number of participants. These four areas all had sixty or more observers working in from 15 to 19 parties and thus attained excellent coverage of their areas. The Hamilton (Ont.) Nature Club, although with slightly fewer observers, has continued to increase its number of parties until this year there were 22 groups afield.

Editorial policy.—The editors wish to thank the compilers for their splendid cooperation in filling out the Christmas Count forms. They also express their appreciation to all those who made contributions to help defray the printing costs; the total contribution of $286.75 has made it possible to publish more reports than had been anticipated. At the same time, so many new areas were covered this year that it was necessary to select for publication those which had the best coverage or were from parts of the continent which have been least adequately reported in the past. To Professor Samuel A. Eliot, Jr., the editors extend their sincere thanks for his kindness in editing the New England counts.

1. Hudson Heights, Hudson and Como, Que. (same area as in 1949 but not so fully covered. It should be noted this area now includes both the Whitlock Bird Sanctuary and the new Pine Lake Sanctuary).—Dec. 31; 10 a.m. to 4:30 p.m. Overcast, dull, visibility poor; temp. about 20° F.; wind light; ground covered, where undrifted, with 12-in. snow; streams open; Lake of Two Mountains frozen. Eleven observers in 6 parties. Total party-hours, 17 (on foot or skis); total party-miles, 21 (on foot or skis). Ruffed Grouse, 3; European Partridge, 16 in one covey; Pileated Woodpecker, 3; Hairy Woodpecker, 9; Downy Woodpecker, 12; Blue Jay, 38; Black-capped Chickadee, 64; White-breasted Nuthatch, 7; Brown Creeper, 2; Winter Wren, 1; Am. Robin, 4; Cedar Waxwing, 15; Common Starling, 1; House Sparrow, 25; Pine Grosbeak, 14; Common Redpoll, 18; Pine Siskin, 8; Slate-colored Junco, 1; Am. Tree Sparrow, 1. **Total,** 19 species; 242 individuals.—Pat. Baird, Audry Bryan, Vi Bryan, Ed. Croll, Eunice Croll, John Legate, Althea Macaulay, Dunbar Mullan, Cecil Nelson, Drucilla Riley, Mac. Yuile (Report compiled by Geof. Ommanney).

2. Montreal, Que. (Mount Royal, Ville LaSalle, Ahuntsic, Cote St. Luc, Montreal West, St. Helen's Island, Nun's Island, south shore St. Lawrence River from Mercier Bridge to Jacques Cartier Bridge and north shore from Dorval to Victoria Bridge).—Dec. 23; 8 a.m. to 4:30 p.m. Overcast; temp. 17° to 18°; wind NNE, 0-10 m.p.h.; depth of snow in open country 9 to 10 in. Twenty-seven observers in 9 parties. Total party-hours, 38 (22 on foot, 15 by car, 1 by boat); total party-miles, 97 (38 on foot, 56 by car, 3 by boat). Mallard, 7; Black Duck, 349; Pintail, 3; Am. Golden-eye, 854 (part. est.); Hooded Merganser, 1 [no details —Ed.]; Am. Merganser, 189; Rough-legged Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 72; Glaucous Gull, 1; Iceland Gull, 1 (Longley, Normandin); Great Black-backed Gull, 30; Herring Gull, 593 (part. est.); Ring-billed Gull, 1 (Longley); Horned Owl, 2; Snowy Owl, 6; Barred Owl, 1; Short-eared Owl, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 24; Am. Crow, 18; Black-capped Chickadee, 13; White-breasted Nuthatch, 6; Brown Creeper, 15; Winter Wren, 1; Am. Robin, 5; Hermit Thrush, 1; Cedar Waxwing, 75; Common Starling, 449 (part. est.); House Sparrow, 468 (part. est.); Purple Finch, 45; Common Redpoll, 15; Pine Siskin, 14; Am. Goldfinch, 38; Red Crossbill, 1; Slate-colored Junco, 1; Song Sparrow, 6; Snow Bunting, 135. **Total,** 40 species; approx. 3452 individuals. (Seen within the week: Saw-whet Owl, 1, Dec. 24; Red-necked Grebe, 1, Dec. 27).—J. D. Cleghorn, Mr. and Mrs. D. G. Elliot, Rev. Brother V. Gaboriault, Miss M. Glynn, D. Garneau, Miss G. Hibbard, H. A. C. Jackson, Miss D. Jackson, Rev. Brother H. Latendresse, L. Lemieux, H. Longley, Rev. Brother Matthias, W. M. McBride, I. McLaren, G. H. Montgomery, J. Normandin, W. H. Rawlings, Mrs. P. Roberts, D. Ryan, D. M. Scott, C. H. Sullivan, Mr. and Mrs. L. M. Terrill, F. R. Terroux, D. Terroux, Miss W. Wilson (Province of Quebec Society for the Protection of Birds).

3. Quebec, Que. (same area as in 1949; town suburbs 16%, fields 17%, coniferous forest 8%, deciduous woods 12%, mixed woodlands 31%, shores 16%).—Dec. 29; 7 a.m. to 4:30 p.m. Cloudy; temp. 5° to 30°; wind NW, 1-3 m.p.h.; 5-10-in. snow on ground, small rivers frozen; moving ice on St. Lawrence River. Eight observers in 4 parties. Total party-hours, 29; total party-miles, 24 (on foot). Ruffed Grouse, 4; Ring-necked Pheasant, 2; Iceland Gull, 3; Herring Gull, 29; Hairy Woodpecker, 5; Downy Woodpecker, 4; Blue Jay, 2; Am. Crow, 4; Black-capped Chickadee, 45; Red-breasted Nuthatch, 5; Am. Robin, 2; Common Starling, 49; House Sparrow, 244; Common Redpoll, 41; Pine Siskin, 8; Am. Goldfinch, 2; White-winged Crossbill, 5. **Total,** 17 species; 454 individuals. (Seen in area Dec. 20: Snowy Owl, 1; Dec. 24: Cedar Waxwing, 5; Dec. 17: Am. Tree Sparrow, 3; Dec. 30: Evening Grosbeak, 3).—Louis-A. Lord, Jean and Gilbert Lord, Jacques Talbot, François Hamel, Gaston and Ronald Lepage, Raymond Cayouette (La Société Zoologique de Québec).

4. Blenheim (Kent Co.), Ont. (Fargo, Blenheim, Morpeth, Cedar Springs, Erie Beach, Erieau, Rondeau Provincial Park; farmland 65%, lake-front 20%, deciduous woods 12%, cattail marsh 2%, town 1%).—Dec. 30; 8:15 a.m. to 5:30 p.m. Light mist in early morning; clear in afternoon; temp. 14° to 34°; wind calm; ground covered with 2-5-in. snow, Rondeau Bay and Erieau Harbor frozen over, Lake Erie with ice near shore. Fifteen observers in 4 parties. Total party-hours, 27 (18 on foot, 9 by car); total party-miles, 138 (22 on foot, 116 by car). Canada Goose, 25; Greater Scaup, 3; Am. Golden-eye, 82; Am. Merganser, 8; Red-breasted Merganser, 15; Cooper's Hawk, 1; Red-tailed Hawk, 7; Rough-legged Hawk, 11; Bald Eagle, 3; Marsh Hawk, 6; Ring-necked Pheasant, 17; Herring Gull, 33; Ring-billed Gull, 3; Bonaparte's Gull, 1; Mourning Dove, 117; Short-eared Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 37; Blue Jay, 15; Am. Crow, 57; Black-capped Chickadee, 5; White-breasted Nuthatch, 6; Brown Creeper, 5; Am. Robin, 1; Golden-crowned Kinglet, 15; Cedar Waxwing, 3; Common Starling, 178; House Sparrow, 1450+; Eastern Meadowlark, 1; Cardinal, 35; Purple Finch, 21; Pine Siskin, 2; Am. Goldfinch, 9; Eastern Towhee, 7; Savannah Sparrow, 12 (H.Z.); Vesper Sparrow, 7 (W.F.H.); Slate-colored Junco, 55; Am. Tree Sparrow, 239; White-crowned Sparrow, 8 (observed at 30 ft. through 8 x 30 binoculars—D.A.A., H.B.W.); White-throated Sparrow, 6; Swamp Sparrow, 7; Song Sparrow, 28. **Total,** 43 species; 2554 individuals. (Seen recently in area: Winter Wren, Jan 1.)—D. A. Arnott, J. A. Begg, Richard Blackburn, L. J. Bohn, W. J. Carnahan, K. Davey, Hugh Evans, W. M. Gray, W. F. Hampton, G. F. Man-

son, L. A. Miller, K. Murphy, H. B. Wressell, C. H. Zavitz, R. P. Zavitz.

5. Hamilton, Ont. (Dundas Valley west to Ancaster, Hamilton and harbor, Burlington Beach, Aldershot, Lake Medad, Bronte; farmland 18%, city and suburbs 10%, mixed woods with much edge, mostly on ravines and water banks 62%, lake and bay 8%, cattail marsh 2%).—Dec. 26; 7:30 a.m. to 5 p.m. Cloudy in a.m., clear in p.m.; temp. 6° to 21°; wind N to SW. 5-20 m.p.h.; 1 to 3-in. snow on ground; harbor partly open. Fifty-two observers in 22 parties. Total party-hours, 134 (130 on foot, 4 by car); total party-miles, 302 (229 on foot, 73 by car). Horned Grebe, 2; Great Blue Heron, 2; Mallard, 98; Black Duck, 172; Canvas-back, 3; Greater Scaup, 142; Lesser Scaup, 1; Am. Golden-eye, 182; Buffle-head, 6; Old-squaw, 5; King Eider, 2 (J.B., J.C., W.G., G.N.); Surf Scoter, 1 (D.B.); Ruddy Duck, 4 (G.N.); Hooded Merganser, 2; Am. Merganser, 1240; Red-breasted Merganser, 8; Cooper's Hawk, 3; Red-tailed Hawk, 12; Rough-legged Hawk, 1; Bald Eagle, 2; Marsh Hawk, 3; Sparrow Hawk, 10; Ruffed Grouse, 13; Ring-necked Pheasant, 18; Glaucous Gull, 4; Iceland Gull (Kumlien's), 1 (ad.—G.N.); Great Black-backed Gull, 34; Herring Gull, 2750; Ring-billed Gull, 30; Screech Owl, 3; **Horned Owl,** 12; Snowy Owl, 2; Long-eared Owl, 3; Short-eared Owl (?), 1; **Saw-whet Owl,** 1 (B.F.); Belted Kingfisher, 3; Yellow-shafted Flicker, 14; Hairy Woodpecker, 19; Downy Woodpecker, 100; Blue Jay, 93; Am. Crow, 8; Black-capped Chickadee, 310; White-breasted Nuthatch, 42; Red-breasted Nuthatch, 2; **Brown Creeper,** 35; **Winter Wren,** 15; Am. Robin, 6; Hermit Thrush, 1; Golden-crowned Kinglet, 28; **Water Pipit,** 1 (J.B., W.G., F.H.); Cedar Waxwing, 68; Gray Shrike, 1; Common Starling, 3075; **Myrtle Warbler,** 1 (J.D., B.F.); Common Yellowthroat (?), 1; House Sparrow, 1482; Eastern Meadowlark, 1; Purple Grackle, 1; Cardinal, 88; Purple Finch, 73; Pine Siskin, 43; Am. Goldfinch, 83; **Red Crossbill,** 20 (F.B., H.K.); White-winged Crossbill, 1; Slate-colored Junco, 636; Am. Tree Sparrow, 695; White-throated Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 37; Snow Bunting, 75. **Total,** 69 species; about 11,834 individuals. (Seen in area Dec. 25, Bonaparte's Gull, 6; Dec. 28, Arctic Woodpecker, 1; Dec. 31, Catbird, 1; Eastern Towhee, 1; Jan. 5, Brown-headed Cowbird, 27; Jan. 7, Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1.)—Dean Axelson, Florence Baillie, James L. Baillie, W. E. Benner, Donald Bourne, Neil Bourne, R. D. F. and Mrs. Bourne, F. W. Buckle, Don Bucknall, Albert N. Butwick, David Campbell, Jack Campbell, William Campbell, K. J. Cox, John and Helen Crosby, James Dowell, Robert O. Elstone, Bob Finlayson, William W. H. Gunn, Ian Halladay, Fred Helleiner, Peter F. Henderson, Dorothy Henwood, George Holland, Roger Jackson, H. E. Kettle, Margaret Lamb, J. A. Mannheimer, Jack Martin, G. O. McMillan, John Moule, Albert B. Nind, George W. North (compiler), James Nuttall, Florence Peart, R. K. Sargeant, Wm. Sargeant, Doug. Smith, Lawrie Smith, Tom Smith, Laura Stewart, Alden Strong, Gordon Sweatman, Ann Watson, Mabel Watson, Mrs. M. R. Watters, J. Harvey Williams, Laurel Williams, Robert Wilson, E. Woods (Hamilton Nature Club).

6. Kingston, Frontenac County, Ont. (selected areas within a 7½-mile radius of MacDonald Park. Farmland 43%, woodland 8%, marshland 2.6%, towns 0.4% and water 46%).—Dec. 26; 9 a.m. to 4:30 p.m. Clear, with a few scattered clouds; cold, average temp. 0°. Smaller bays of Lake Ontario frozen, marshes frozen, heavy mist arising from all open waters causing interference to observations on waterbirds. Nine observers in 2 parties. Total party-hours, 14; total party-miles, 45 (40 by car, 5 on foot). Common Loon, 2; Pied-billed Grebe, 1; Black Duck, 119; Greater Scaup, 11; Am. Golden-eye, 62; Am. Merganser, 1; Red-breasted Merganser, 1; Goshawk, 1; Sharp-shinned Hawk, 1; Ruffed Grouse, 15; European Partridge, 6; Great Black-backed Gull, 40; Herring Gull, 250; Ring-billed Gull, 150; Horned Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 10; Blue Jay, 20; Am. Crow, 1; Black-capped Chickadee, 58; White-breasted Nuthatch, 9; Brown Creeper, 2; Common Starling, 150; House Sparrow, 280; Eastern Meadowlark, 1; Purple Finch, 85; Common Redpoll, 1; Pine Siskin, 126; Am. Goldfinch, 9; White-winged Crossbill, 14; Slate-colored Junco, 13; Am. Tree Sparrow, 113; Song Sparrow, 1; Lapland Longspur, 12; Snow Bunting, 625. **Total,** 35 species; about 2192 individuals. (Seen recently in same area: Bald Eagle, 1; Sparrow Hawk, 2.)—Arthur S. Bell, John Cartwright, Stuart Peters, Mr. & Mrs. T. Boardman, Walter C. Lamb, Austin W. Peters, Rob. E. Stewart, Geo. M. Stirrett (Kingston Nature Club).

7. London, Ont. (Valley of the Thames River from London to Delaware; Redman's swamp; coves and ponds; part of Dorchester swamp; J. C. Higgin's farm at Lobo; two feeding stations of the same area; pasture 5%; deciduous woodland 20%; swamp 20%; mixed wooded river bank 5%).—Dec. 30; 8 a.m. to 5 p.m. Hazy, bright all day; temp. 20° to 32°; wind SW, 5-10 m.p.h.; ground covered with 8-10-in. snow, river mostly frozen. Thirty observers in 10 parties. Total party-hours, 72 (60 on foot, 12 by car); total party-miles, 125 (75 on foot, 50 by car). Pied-billed Grebe, 1; Great Blue Heron, 3; Mallard, 6; Black Duck, 25; Wood Duck, 2; Am. Golden-eye, 155; Am. Merganser, 32; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 18; Red-shouldered Hawk, 4; Rough-legged Hawk, 7; Bald Eagle, 1; Ruffed Grouse, 9; Ring-necked Pheasant, 14; Herring Gull, 30; Mourning Dove, 55; Screech Owl, 3; Horned Owl, 3; Snowy Owl, 1; Long-eared Owl, 20; Belted Kingfisher, 6; Yellow-shafted Flicker, 3; Yellow-bellied Sap-

sucker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 44; Blue Jay, 176; Am. Crow, 28; Black-capped Chickadee, 290; White-breasted Nuthatch, 16; Brown Creeper, 36; Winter Wren, 7; Am. Robin, 1; Eastern Bluebird, 2; Golden-crowned Kinglet, 24; Cedar Waxwing, 54; Common Starling, 385; House Sparrow, 396; Eastern Meadowlark, 1; Cardinal, 90; Purple Finch, 29; Am. Goldfinch, 166; Slate-colored Junco, 284; Am. Tree Sparrow, 196; White-throated Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 22; Snow Bunting, 60. **Total,** 48 species; 2721 individuals. (Observed in area recently: Dec. 23, Pileated Woodpecker; Dec. 29, Eastern Towhee; Dec. 31, Sparrow Hawk.)—Carol Bycroft, R. G. Cummings, John and Tom Cummings, A. Clendinning, Dorothy Coutt, Eli Davis, Vernon Franks, Margaret Ferrier, Ted Garside, Frank Girling, William Girling, John Higgins, Mrs. Landrey, Mr. Lewis, Howard Keast, John Kormos, Gretchen Lawton, Jim Leach, Mrs. J. Leach, C. Maddeford, William Maddeford, Donald Pope, Helen Shipley, Keith Reynolds, Matthew Schoenfeld, Douglas Soper, Margaret Stevens, Charles Whitelaw, John Wismer (McIllwraith Ornithological Club).

8. New Liskeard, Ont. (on the North end of Lake Temiskaming, 326 miles north of Toronto within a radius of 7½ miles of New Liskeard in Hudson, Kerns, Dymond and Harris Townships; cultivated fields 25%, white birch and poplar woods 40%, jackpine and spruce woods 35%).—Dec. 31; 9 a.m. to 4 p.m. Clear; temp. -1° to 10°; calm; snow 2 to 3 ft. deep. Total party-hours, 7; total party-miles, 49 (45 by car, 4 afoot). European Partridge, 8 (liberated in region at various times since 1925); Hairy Woodpecker, 1; Downy Woodpecker, 1; Common Redpoll, 68; Pine Siskin, 20; White-winged Crossbill, 2; Snow Bunting, 122. **Total,** 7 species; 222 individuals. (Seen recently: Great Gray Owl—many seen in region, Snowy Owl, Evening Grosbeak, Common Raven.)—R. W. Trowern, Mrs. Vera E. Trowern.

9. North Bay, Ont. (from township of West Ferris, city of North Bay, townships of East Ferris, Bonfield, Calvin, villages of Bonfield, Rutherglen, Eau Claire, area around Pimisi Bay, Mattawa and Kaipuskong Rivers, Kennedy and Smith's Lakes, Amable du Fond River, to 10 miles west of Mattawa; open farmland 30%, coniferous woodlots and black spruce bog 10%, second growth mixed forest 50%, lakes and rivers 5%, settlements 5%).—Dec. 27, 8 a.m. to 4:30 p.m. Clear to snowflurries, -38° to 23°; wind W, SE to SW, 2-15 m.p.h.; ground covered with 14-in. powdery snow; all fresh water except rapids frozen. Total party-hours, 8½; total party-miles, 71 (67 by car, 5 on foot). Am. Golden-eye, 7; Ruffed Grouse, 1; Hairy Woodpecker, 7; Blue Jay, 7; Black-capped Chickadee, 49; Red-breasted Nuthatch, 4; Brown Creeper, 4; House Sparrow, 20; Pine Siskin, 2; Red Crossbill, 17; White-winged Crossbill, 1; Snow Bunting, 2. **Total,** 12 species; about 121 individuals. (Seen in area Dec. 29: Evening Grosbeak, 19; Purple Finch, 2; Common Redpoll, 8; Am. Goldfinch, 7.)—Louise de Kiriline Lawrence, Hazel Petty.

10. Ottawa, Ont. (radially about city; Rockcliffe; Montreal road east to Green Creek; C.P.R. track and Metcalfe Highway; Rideau River; Arboretum, Central Experimental Farm; Woodroffe and Carling areas; Westboro waterfront; Brittania and Base Line Road; Champlain Bridge, Deschaines to Queen's Park; Mountain Road; Brewery Creek and Gatineau; Camp Fortune area).—Dec. 31; 8 a.m. to 5 p.m. Overcast in a.m. with snow flurries, clearing by noon; temp. 22° to 30°; wind NW, 4 to 16 m.p.h.; ground covered with 10-12-in. snow; open water at rapids. Twenty-seven observers in 12 parties. Total party-hours, 61; total party-miles, 238½ (75½ on foot, 163 by car). Black Duck, 1; Am. Golden-eye, 182; Am. Merganser, 55; Red-breasted Merganser, 1; Sparrow Hawk, 3; Ruffed Grouse, 22; European Partridge, 10; Ring-necked Pheasant, 14; Horned Owl, 1; Hairy Woodpecker, 7; Downy Woodpecker, 20; Blue Jay, 21; Am. Crow, 12; Black-capped Chickadee, 128; White-breasted Nuthatch, 27; Red-breasted Nuthatch, 17; Brown Creeper, 12; Winter Wren, 1; Cedar Waxwing, 2; Common Starling, 1885; House Sparrow, 1042; Eastern Meadowlark, 1; Purple Finch, 7; Pine Grosbeak, 2; Common Redpoll, 40; Pine Siskin, 51; Am. Goldfinch, 35; Red Crossbill, 20; White-winged Crossbill, 49; Am. Tree Sparrow, 14; Song Sparrow, 4; Snow Bunting, 300. **Total,** 32 species; 3986 individuals. (Seen in area Dec. 31: 1 Pileated Woodpecker; Jan. 1: 1 Gray Shrike, 3 Eastern Meadowlarks).—A. E. Bourguignon, K. Bowles, A. Brown, F. G. Cooch, Hal Cowan, B. A. Fauvel, M. Flynn, C. Frankton, E. G. Frankton, R. Frith, C. R. Lewis, Harrison F. Lewis, H. Lloyd, K. Mackelroy, D. A. MacLulich, H. Marshall, M. I. Marshall, L. McKinnon, T. F. T. Moreland, G. E. Russel, L. S. Russel, Miss Salter, C. E. Saville, D. B. O. Saville, V. E. F. Solman, M. Stuart, J. S. Tenner.

11. Paudash Lake, Bancroft, Ont. (south along Highway 28 from north end of lake for 12 miles; deciduous woods 40%; spruce, hemlock and tamarack swamps 30%, coniferous woods 20%, marsh and open fields 10%).—Dec. 24; 8:30 a.m. to 3 p.m. Snowing; temp. 15° to 5°; wind light, 2-5 m.p.h.; lake frozen, 12-in. snow in bush, 3 in. on highway. Two observers in 1 party. Total party-hours, 6½ (5 on foot, 1½ by car); total party-miles, 29 (5 on foot, 24 by car). Goshawk, 1; Ruffed Grouse, 7; Herring Gull, 1; Blue Jay, 2; Black-capped Chickadee, 9; Purple Finch, 6; Pine Siskin, 47; Am. Goldfinch, 4; Red Crossbill, 4; White-winged Crossbill, 67; Slate-colored Junco, 1; Am. Tree Sparrow, 2. **Total,** 12 species; about 151 individuals. (Seen day before: Evening Grosbeak, 7; Snow Bunting, 200.)—Earl and Mabel Stark (Toronto Ornithological Club).

12. Pickering Twp. (Ontario Co.), Ont. (15 acres of mixed woodland plus 3½ miles of country roadsides; deciduous woods (poplar-birch-ironwood-maple) 60%, white cedar 15%, hemlock 5%, fields [mostly uncultivated] 20%).—Dec. 26; 8 a.m. to 11:10 p.m. Overcast to clear; temp. 0° to 10°; wind N, 15 m.p.h.; ground with 1-in. snow; ponds and creek frozen. Two observers in 1 party. Total party-hours, 10 (on foot); total party-miles, 5 (on foot). Ruffed Grouse, 3; Mourning Dove, 1; Horned Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 6; Black-capped Chickadee, 4; Common Starling, 8; House Sparrow, 18; Cardinal, 4; Purple Finch, 1; Pine Siskin, 10. **Total,** 11 species; 60 individuals. (Seen in area Dec. 24; Pileated Woodpecker, 1.) —Doris H. Speirs, J. Murray Speirs (compiler).

13. Point Pelee, Ont. (7½-mile radius centering at a point 7½ miles north of the southernmost tip of Point Pelee National Park; ploughed land 30%, cattail-phragmites marshlands 25%, deciduous woodlands 20%, red cedar groves 15%, lake-shore sand dunes 8%, town suburbs 2%).—Jan. 1; 8 a.m. to 5 p.m. Clear, becoming thinly overcast with high alto-stratus after noon; temp. 26° to 33°; wind S, 12-15 m.p.h.; average snow depth 4 in. with occasional drifts and clear areas in open country; creeks and canals mostly frozen, marshes frozen, Lake Erie completely frozen over on west side of Park but some cleared areas on east side. Twelve observers in 3 parties of 4. Total party-hours, 27 (16 on foot, 11 by car); total party-miles, 159 (50 on foot, 109 by car). Canada Goose, 6; Mallard, 14; Black Duck, 3; Am. Golden-eye, 225 (est.); Buffle-head, 10; Hooded Merganser, 1; Am. Merganser, 300 (est.); Red-breasted Merganser, 16; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Rough-legged Hawk, 3; Bald Eagle, 4; Marsh Hawk, 2; Ring-necked Pheasant, 42; Herring Gull, 214 (150 est., 64); Ring-billed Gull, 2; Mourning Dove, 4; Horned Owl, 1; Yellow-shafted Flicker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 22; Horned Lark, 1; Blue Jay, 1; Am. Crow, 3110 (est.); Black-capped Chickadee, 11; White-breasted Nuthatch, 1; Brown Creeper, 17; Winter Wren, 6; Carolina Wren, 6; Am. Robin, 31; Eastern Bluebird, 8; Golden-crowned Kinglet, 68; Ruby-crowned Kinglet, 2 (R.E.L.); Cedar Waxwing, 5; Common Starling, 284; Myrtle Warbler, 4; House Sparrow, 312; Purple Grackle, 1; Brown-headed Cowbird, 38; Cardinal, 45; Purple Finch, 20; Am. Goldfinch, 26; Savannah Sparrow, 3 (C.H.Z. *et al.*); Slate-colored Junco, 97; Am. Tree Sparrow, 309; Field Sparrow, 24 (1 in a flock of Am. Tree Sparrows, 23 together); Lapland Longspur, 9; Swamp Sparrow, 11; Song Sparrow, 44. **Total,** 50 species; about 5380 individuals.—Dick Blackburn, Hugh Evans, M. H. Field, H. L. Lancaster, R. E. Lemon, V. E. Lemon, Mr. and Mrs. Ken Murphy, R. A. O'Reilly, Jr., Keith Reynolds (compiler), C. H. Zavitz, R. P. Zavitz.

14. St. Thomas, Ont. (7½-mile radius centered about 4 miles south of St. Thomas; Kettle Creek, from St. Thomas to a point 4 miles south, Waterworks area, Port Stanley harbor, Springwater; pine groves 15%, cattail marsh 5%, town suburbs 5%, pasture 15%, creek banks 25%, deciduous woodlots 25%, lake shore 10%).—Dec. 24; 7:30 a.m. to 5 p.m. Mostly overcast; temp. 28° to 10°; wind SW to NW, 10-25 m.p.h.; ground covered with 1-2-in. snow. Fourteen observers in 4 parties. Total party-hours, 35 (30 on foot, 5 by car); total party-miles, 85 (35 on foot, 50 by car). Great Blue Heron, 2; Canada Goose, 200; Mallard, 6; Black Duck, 3; Wood Duck, 1; Am. Golden-eye, 1; Red-tailed Hawk, 6; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 2; Herring Gull, 51; Ring-billed Gull, 5; Mourning Dove, 6; Screech Owl, 1; Long-eared Owl, 4; Pileated Woodpecker, 1; Downy Woodpecker, 10; Horned Lark, 75 (2 Northern); Blue Jay, 44; Am. Crow, 4; Black-capped Chickadee, 49; White-breasted Nuthatch, 2; Brown Creeper, 6; Winter Wren, 6; Golden-crowned Kinglet, 22; Common Starling, 50; House Sparrow, 225; Cardinal, 14; Am. Goldfinch, 55; Eastern Towhee, 3; Vesper Sparrow, 2; Slate-colored Junco, 65; Am. Tree Sparrow, 118; Swamp Sparrow, 1; Song Sparrow, 8; Lapland Longspur, 255; Snow Bunting, 6. **Total,** 39 species (1 additional subspecies); about 1314 individuals. (Seen in area Dec. 23: Brown-headed Cowbird, Purple Finch; Dec. 26: Sharp-shinned Hawk, Cooper's Hawk, Ring-necked Pheasant, Short-eared Owl, Great Horned Owl, Yellow-shafted Flicker; Jan. 1: Field Sparrow, Belted Kingfisher.) —Lloyd Auckland, Fred Bodsworth, Joseph Field, Marshall Field (compiler), Russell Foster, Charles Johnson, Ian McKay, Campbell Miller, Lois Pincombe, Marvin Smout, Bill Stewart, Albert Tier, Don Young, James Young (St. Thomas Field Naturalist Club).

15. Toronto, Ont. (7½-mile radius centering on Lytton Blvd. and Avenue Road, and including Toronto Island, Lakefront from Mimico Creek to Fallingbrook Road, Humber River north to ¼-mile south of Thistletown, Don River north to Thornhill; lake surface 10%, city 25%, city suburbs 30%, farmland 25%, coniferous-deciduous woodlots 8%, marsh 2%).—Dec. 24; 8 a.m. to 5 p.m. mostly cloudy; temp. 37° to 20°; wind SW to NW, 15-25 m.p.h.; cold front passed through shortly after noon, trace of snow and rain; mostly clear in open, ½-in. crusted snow in woods, rivers frozen but Lake open. Sixty-one observers in 15 parties. Total party-hours, 80 (75½ on foot, 4½ by car); total party-miles, 126 (91 on foot, 35 by car). Mallard, 496; Black Duck, 1410; Pintail, 2; Greater Scaup, 2775 (2000± 200, 775); Am. Golden-eye, 141; Buffle-head, 36; Old-squaw, 59; Ruddy Duck, 1; Hooded Merganser, 2; Am. Merganser, 46; Red-breasted Merganser, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 10; Rough-

legged Hawk, 1; Sparrow Hawk, 14; Ringed-necked Pheasant, 162; Am. Coot, 2; Killdeer, 1; Glaucous Gull, 1; Iceland Gull, 1; Great Black-backed Gull, 10; Herring Gull, 4163; Ring-billed Gull, 97; Screech Owl, 2; Horned Owl, 10; Snowy Owl, 2; Long-eared Owl, 8; Saw-whet Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 1; Hairy Woodpecker, 14; Downy Woodpecker, 82; Arctic Woodpecker, 2; Blue Jay, 55; Am. Crow, 13; Black-capped Chickadee, 138; White-breasted Nuthatch, 9; Brown Creeper, 44; Winter Wren, 14; Carolina Wren, 3; Am. Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 53; Common Starling, 1848; House Sparrow, 687; Red-winged Blackbird, 1; Cardinal, 55; Purple Finch, 213; Pine Siskin, 47; Am. Goldfinch, 85; Eastern Towhee, 3; Slate-colored Junco, 373; Oregon Junco, 1; Am. Tree Sparrow, 244; White-throated Sparrow, 8; Song Sparrow, 54; Snow Bunting, 2. **Total,** 59 species; about 13,525 individuals. (Three dead Brünnich's Murres, 1 very fresh, found along Island shore.)—J. L. Baillie (compiler), J. H. Barnett, D. Beacham, O. D. Boggs, A. Buckle, A. Bunker, D. Burton, L. Butcher, G. Clark, A. Dawe, O. E. and Mrs. Devitt, F. H. Emery, B. Foster, C. D. Fowle, G. Francis, A. and Mrs. Ghent, W. Giles, C. Goodwin, W. W. H. Gunn (compiler), W. M. Gunn, Dr. P. Harrington, C. Helleiner, W. Hiscock, C. E. Hope, R. James, F. Keim, G. Lambert, A. Lamsa, C. Leavens, J. Livingston, N. and Mrs. Martin, D. S. Miller, W. Millen, A. J. Mitchener, C. Molony, F. Mueller, A. A. Outram, L. Paterson, D. Perks, A. Reid, J. B. C. and J. H. Runnings, T. Russell, D. Scovell, R. Scovell, J. Sherrin, T. M. Shortt, F. Smith, A. Strong, T. Swift, E. Talvila, A. Telfer, S. L. Thompson, E. Thorn, L. Walden, J. B. Walty, C. Watson, D. West (members and friends of the Brodie Club).

16. West Elgin, Ont. (area within 7½-mile radius of West Lorne; grassy marsh 2%, pasture land 5%, deciduous woods 40%, pine woods 1%, lake front 7%, river and creek sidehills 45%).—Dec. 26; 7:30 a.m. to 5 p.m. Snowing then clear; temp. 10° to 12°; wind N to NE, 5-8 m.p.h.; 3-in. fresh snow over 2-in. crust. Six observers in 2 parties. Total party-hours, 17½ (17 on foot, ½ by car); total party-miles, 30 (25 on foot, 5 by car). Am. Golden-eye, 6; Am. Merganser, 3; unidentified duck, 61; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 15; Rough-legged Hawk, 4; Bald Eagle, 3; Ruffed Grouse, 2; Bobwhite, 21; Ring-necked Pheasant, 20; Mourning Dove, 46; Horned Owl, 2; Short-eared Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 32; Horned Lark, 4; Blue Jay, 85; Am. Crow, 5; Black-capped Chickadee, 17; White-breasted Nuthatch, 7; Brown Creeper, 11; Winter Wren, 1; Carolina Wren, 1; Am. Robin, 1; Hermit Thrush, 1 (V.E.I., R.E.L.); Golden-crowned Kinglet, 11; Common Starling, 94; House Sparrow, 112; Purple Grackle, 1; Cardinal, 61; Purple Finch, 74; Am. Goldfinch, 23; Eastern Towhee, 3; Slate-colored Junco, 56; Am. Tree Sparrow, 80; Swamp Sparrow, 1 (R.E.L., V.E.L.); Song Sparrow, 7; Snow Bunting, 77. **Total,** 39 species; 956 individuals. (Seen recently: Great Blue Heron, Marsh Hawk, Sparrow Hawk, Gray Shrike.)—Jim Bell, Mrs. L. Hauser, H. L. Lancaster, S. M. Lancaster, R. E. Lemon, V. E. Lemon (West Elgin Nature Club).

17. Winnipeg, Man. (5-mile radius centering on junction of Red and Assinaboine Rivers, including 2 city parks, and Brookside Cemetery with wooded and light bush area; open pastures in city suburbs; river banks; residential areas; city dumps).—Dec. 26; 9 a.m. to 5 p.m. Clear; temp. -15° to -20°; wind SSW, 15 m.p.h.; ground covered with heavy, crusted snow; all water frozen solid. Eighteen observers. Total party-hours, 43; total party-miles [not given.—Ed.]. Prairie Falcon, 1; Ruffed Grouse, 1; Sharp-tailed Grouse, 17; European Partridge, 47; Screech Owl, 1; Horned Owl, 4; Snowy Owl, 3; Hawk Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 10; Blue Jay, 2; Am. Magpie, 5; Common Raven, 1; Black-capped Chickadee, 14; White-breasted Nuthatch, 14; Brown Creeper, 1; Gray Shrike, 1; Common Starling, 117; House Sparrow, 600; Pine Grosbeak, 3; Common Redpoll, 48; Snow Bunting, 54. **Total,** 22 species; 946 individuals.—R. W. Sutton, C. Brereton, J. J. Mott, Gordon Smith, Miss W. Downes, Gilbert Banks, Herb. Copeland, Andy Haak, J. Hardisty, J. B. Sanders, D. H. Young, Hector McDonald, Mrs. E. J. McMillan, Mrs. W. Scott, Mrs. Mills, Mrs. W. Ricketts, Mrs. Hellyar (Natural History Society of Manitoba Ornithology Section).

18. Yorkton, Sask. (area 15 miles in diameter, with Yorkton as center; mixed farming district, 25% of which is wooded).—Dec. 26; 9 a.m. to 3:30 p.m. Clear; temp. -20° to -6°; wind SW, 15 m.p.h.; 6-in. snow. Twelve observers in 4 parties. Total party-hours, 6½ (3 on foot, 3½ by car); total party-miles, 34 (3 on foot, 31 by car). Horned Owl, 1; Snowy Owl, 2; Downy Woodpecker, 2; Blue Jay, 2; Am. Magpie, 1; Black-capped Chickadee, 4; Cedar Waxwing, 52 (C.S.H., C.S., J.S.); House Sparrow, 54; Common Redpoll, 5; Snow Bunting, 518. Total, 10 species; 641 individuals. (Slate-colored Junco, Dec. 24.)—Mary Belcher, Jerry Bulitz, Brother Clarence, Lionel Coleman, Ronald Coleman, Glen Dawes, C. Stuart Houston, C. J. Houston, S. C. Houston, Cliff Shaw, Jeff Smith, Brother Vincent.

19. Brunswick, Me. (7½-mile radius centering on Gurnet, and including all peninsulas from Howard Point to Mere Point; pasture 20%, town suburbs 10%, deciduous farm woodlots 20%, coniferous woodlots 20%, salt water bays and inlets 30%).—Dec. 31; 7 a.m. to 4 p.m. Moderate snow; temp. 28° to 32°; wind NW, 8-18 m.p.h.; ground covered with 2-4 in. of crusted snow. Ten

observers in 5 parties. Total party-hours, 53 (29 on foot, 24 by car); total party-miles, 169 (39 on foot, 130 by car). Common Loon, 1; Red-throated Loon, 2; Horned Grebe, 5; European Cormorant, 18; Great Blue Heron, 1; Black Duck, 91; Pintail, 8; Am. Golden-eye, 223; Barrow's Golden-eye, 6; Buffle-head, 4; Old-squaw, 74; Common Eider, 4; White-winged Scoter, 9; Surf Scoter, 18; Am. Scoter, 3; Am. Merganser, 3; Red-breasted Merganser, 18; Bald Eagle, 1; Ruffed Grouse, 1; Purple Sandpiper, 5; Great Black-backed Gull, 1; Herring Gull, 447; Black Guillemot, 1; Horned Owl, 1; Short-eared Owl, 1; Hairy Woodpecker, 7; Downy Woodpecker, 5; Blue Jay, 12; Am. Crow, 115; Black-capped Chickadee, 81; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 2; Brown Creeper, 11; Am. Robin, 1; Golden-crowned Kinglet, 26; Gray Shrike, 2; Common Starling, 58; Myrtle Warbler, 14; House Sparrow, 25; Am. Goldfinch, 4; White-winged Crossbill, 2; Slate-colored Junco, 29; Am. Tree Sparrow, 96; White-throated Sparrow, 15; Song Sparrow, 1; Lapland Longspur, 1; Snow Bunting, 140. Total, 47 species; 1599 individuals.—A. P. Daggett, Nathan Dane II, V. L. Fortin, R. Gorham, A. O. Gross, P. M. Henry, C. Packard, E. Pols, Charles W. Ring, F. B. Whitman, Jr.

20. Calais, Me. (within 7½-mile radius, Route 1, Perry to N. Perry; Route 1 and 191, Red Beach-Meddybemps; river valley 50%, town suburbs 20%, coniferous forest 20%, deciduous forest 10%).—Dec. 26; 8 a.m. to 4 p.m. Clear; temp. 2° to 10°; wind NW, 10-20 m.p.h.; 2 in. snow; all but currents frozen. Eight observers in 6 parties. Total party-hours, 16 (10 on foot, 6 by car); total party-miles, 66 (9 on foot, 57 by car). Black Duck, 13; Am. Golden-eye, 20; Buffle-head, 51; Am. Merganser, 3; Bald Eagle, 2; Ruffed Grouse, 6; Ring-necked Pheasant, 2; Great Black-backed Gull, 42; Herring Gull, 580; Pileated Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 7; Am. Crow, 32; Black-capped Chickadee, 50; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Am. Robin, 1 (at feeder in Perry); Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 1; kinglet, sp., 5; Common Starling, 63; House Sparrow, 4; Purple Finch, 5; Red Crossbill, 18; Slate-colored Junco, 7; Am. Tree Sparrow, 30. **Total,** 26 species; 962 individuals.—A. Tucker, M. Washburn, A. Washburn, E. Estabrook, M. Clark, A. Bates, K. Ross, N. Ross (compiler) (Lincoln Bird Club).

21. Mt. Desert Island, Me. (center at Hall Quarry; from Trenton Bridge to Seawall; salt water shore-line and marshes 50%, mixed coniferous and hardwood forest 25%, town suburb 5%, Red Spruce climax forest 5%, open fields 15%). —Dec. 23; 7 a.m. to 4:30 p.m. Temp. 30°; wind SW, 4 m.p.h.; 2-in. snow on ground. Two observers in 1 party. Total partly-hours, 19 (4 on foot, 15 by car); total party-miles, 96 (6 on foot, 90 by car). Common Loon, 11; Red-necked Grebe, 10; Horned Grebe, 9; European Cormorant, 1; Black Duck, 84; Am. Golden-eye, 24; Buffle-head, 71; Old-squaw, 187; Common Eider, 884; White-winged Scoter, 44; Surf Scoter, 17; Red-breasted Merganser, 35; Red-shouldered Hawk, 1; Bald Eagle, 1; Great Black-backed Gull, 8; Herring Gull, 506; Dovekie, 2; Black Guillemot, 11; Hairy Woodpecker, 3; Downy Woodpecker, 4; Common Raven, 7; Am. Crow, 15; Black-capped Chickadee, 8; Brown Creeper, 2; Golden-crowned Kinglet, 10; Common Starling, 6; White-winged Crossbill, 6; Slate-colored Junco, 10; Am. Tree Sparrow, 1; Song Sparrow, 1. **Total,** 30 species; 1979 individuals. The Red-shouldered Hawk was heard as well as seen and its barred tail clearly discerned. A Mourning Dove was regular at a local feeding station throughout the week but was not seen on census-day.—Ralph H. Long, Jr., Robert Howe.

22. Wells and York, Me. (10 miles of coast, with short penetrations of 1 to 2 miles inland; Cape Neddick, Bald Head Cliff, Ogunquit, Wells, Drake Island; rocky headlands covered with conifers and some hardwoods 40%, beach, salt marsh and creeks 60%).—Dec. 30; 7 a.m. to 4:15 p.m. Clear; temp. 25° to 45°; wind NW, 8 to 12 m.p.h.; ground covered with about 4-in. snow; all fresh water frozen. Four observers in 1 party. Total party-hours, 9¼ (1¼ on foot, 8 by car); total party-miles, 30 (2 on foot, 28 by car). Common Loon, 23; Red-necked Grebe, 47; Horned Grebe, 28; European Cormorant, 1; Black Duck, 129; Am. Golden-eye, 203; Barrow's Golden-eye, 1; Buffle-head, 2; Old-squaw, 111; Common Eider, 500; White-winged Scoter, 21; Surf Scoter, 25; Hooded Merganser, 1; Red-breasted Merganser, 25; Ring-necked Pheasant, 5; Purple Sandpiper, 20; Great Black-backed Gull, 7; Herring Gull, 200; Snowy Owl, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 1; Horned Lark (Northern), 12; Blue Jay, 4; Am. Crow, 18; Black-capped Chickadee, 11; Cedar Waxwing, 70; Common Starling, 425; Myrtle Warbler, 13; House Sparrow, 7; Eastern Meadowlark, 7; Purple Finch, 12; Am. Goldfinch, 1; Am. Tree Sparrow, 1; Lapland Longspur, 1; Snow Bunting, 160. **Total,** 36 species; 2097 individuals. The count of Red-necked Grebes is not at all unusual.—Peter W. Castle, Robert T. Paine III, Oscar M. Root, Wendell Taber.

23. Coastal New Hampshire (7½-mile radius to include Seabrook Harbor, Newcastle, and Lower Great Bay; ocean 30%, bay 20%, open land 15%, scrub 15%, pine woods 10%, hardwoods 10%).—Dec. 31; 6:30 a.m. to 4:30 p.m. Snowing, then clear; temp. 30° to 40°; wind N, 6 to 8 m.p.h.; ground covered with 2 in. of soft snow. Two observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 80 (5 on foot, 75 by car). Common Loon, 28; Red-throated Loon, 5; Red-necked Grebe, 1; Horned

Grebe, 16; European Cormorant, 1; Canada Goose, 185 (150 est., 35); Mallard, 1; Black Duck, 670 (500 est., 170); Greater Scaup, 505 (500 est., 5); Am. Golden-eye, 450 (300 est., 150); Barrow's Golden-eye, 1; Buffle-head, 41; Old-squaw, 10; Common Eider, 155 (150 est., 5); White-winged Scoter, 122 (100 est., 22); Surf Scoter, 18; Am. Scoter, 4; Hooded Merganser, 2; Am. Merganser, 25; Red-breasted Merganser, 25; buteo sp., 1; Bald Eagle, 1; Sparrow Hawk, 3; Ruffed Grouse, 3; Purple Sandpiper, 5; Red-backed Sandpiper, 20; Iceland Gull, 1; Great Black-backed Gull, 16; Herring Gull, 551 (550 est., 1); Yellow-shafted Flicker, 2; Hairy Woodpecker, 1; Horned Lark, 2; Blue Jay, 2; Am. Crow, 41; Black-capped Chickadee, 5; Am. Robin, 11; Hermit Thrush, 1; Golden-crowned Kinglet, 2; Cedar Waxwing, 115 (±10); Common Starling, 104 (90 est., 14); Myrtle Warbler, 8; House Sparrow, 25; Purple Finch, 4; Am. Goldfinch, 52 (50 est., 2); Am. Tree Sparrow, 15; Song Sparrow, 1; Lapland Longspur, 150 (±20); Snow Bunting, 27. **Total,** 48 species; about 3434 individuals.—B. Richards, T. Richards (compiler).

24. Dummer Hill, N. H. (townships of Dummer and Stark, Coos Co.; open fields and Canadian forest).—Dec. 27; 8:30 a.m. to 3:30 p.m. Clear; temp. -10° to 0°; wind moderate NW; ground covered with 4 in. of snow. Two observers in 1 party. Total party-miles, 10. Hairy Woodpecker, 1; Black-capped Chickadee, 35; Brown-capped Chickadee, 1; Red-breasted Nuthatch, 4; Purple Finch, 7; Pine Siskin, 2; Am. Goldfinch, 1; White-winged Crossbill, 20; Snow Bunting, 75. **Total,** 9 species; 146 individuals.—Stuart K. Harris, Stewart Duncan.

25. Laconia—New Hampton, N. H. (7½-mile radius from point on Meredith-Sanbornton town line 1 mile west of Lake Winnisquam; open lake and river 30%, mixed hemlock-pine-hardwoods 50%, brush 5%, open fields 5%, suburban 10%).—Dec. 28; 7:40 a.m. to 5:40 p.m. Clear; temp. 0° to 42°; wind SE to SW, 1-8 m.p.h.; ground covered with 1-2 in. of snow; lakes partly open. Nine observers in 2 parties. Total party-hours, 14 (10 on foot, 4 by car); total party-miles, 104 (8 on foot, 96 by car). Horned Grebe, 4; Mallard, 1; Black Duck, 144; Greater Scaup, 5; Am. Golden-eye, 242; Barrow's Golden-eye, 6; Hooded Merganser, 14; Am. Merganser, 102; Bald Eagle, 1; Ruffed Grouse, 3; Glaucous Gull, 3; Herring Gull, 41; Pileated Woodpecker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 4; Blue Jay, 27; Am. Crow, 24; Black-capped Chickadee, 71; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 4; Brown Creeper, 7; Golden-crowned Kinglet, 5; Common Starling, 97 (75 est., 22); House Sparrow, 30; Purple Finch, 1; Pine Siskin, 24; Am. Goldfinch, 31; White-winged Crossbill, 1; Slate-colored Junco, 19; Am. Tree Sparrow, 23. **Total,** 30 species; about 948 individuals. (Seen in area Dec. 23-Jan. 1: Winter Wren, 1; Cedar Waxwing, 4; Evening Grosbeak, 1+; Snow Bunting, 50.)—E. Gordon, D. Harvey, B. Noyes, M. Pitman, B. Richards, T. Richards (compiler), E. Robbins, L. Wallace, V. Wallace.

26. Pittsburg, N. H. (7½-mile radius to include Pittsburg Village and lower East Inlet; open pools in river 5%, northern conifers 60%, northern hardwoods 30%, open land 5%).—Jan. 1; 6:45 a.m. to 4:45 p.m. Clear; temp. 10° to 15°; wind NW, 1 m.p.h.; 6 in. of soft snow on ground, lakes frozen. Four observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 52 (7 on foot, 45 by car). Black Duck, 8; Am. Golden-eye, 20; Barrow's Golden-eye, 1; Buffle-head, 1; Am. Merganser, 25; Goshawk, 1; Ruffed Grouse, 7; Horned Owl, 2; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 5; Black-capped Chickadee, 10; Brown-capped Chickadee, 12; Red-breasted Nuthatch, 4; Purple Finch, 10; Pine Siskin, 90 (± 20?); White-winged Crossbill, 98 (20 est., 78); Slate-colored Junco, 2; Snow Bunting, 7. **Total,** 19 species; about 309 individuals. (Seen in area in period: Herring Gull, Pileated Woodpecker, Barred Owl, Brown Creeper, Pine Grosbeak, Am. Tree Sparrow.)—Mr. and Mrs. Fred Scott, Mr. and Mrs. T. Richards (compilers).

27. Bennington, Vt. (Bennington Village, Everett woods and orchard, woods east of the State fish hatchery, open fields and bushy swamps west and northwest of village, 4 feeding stations; mixed woods 50%, open fields and swamps 25%, feeding stations 25%).—Dec. 24; 7:30 a.m. to 4 p.m. Cloudy to 1 p.m., rain 1 to 4 p.m.; temp. 35° to 38°; calm; ground covered with 1 to 3 in. of snow. Thirteen observers in 7 parties. Total party-hours, 44 (38 on foot, 6 by car); total party-miles, 72 (34 on foot, 38 by car). Cooper's Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 2; Hairy Woodpecker, 3; Downy Woodpecker, 4; Blue Jay, 16; Am. Crow, 125+; Black-capped Chickadee, 27; White-breasted Nuthatch, 4; Cedar Waxwing, 83; Common Starling, 37; House Sparrow, 64; Common Redpoll, 14; Am. Goldfinch, 10; Slate-colored Junco, 8; Am. Tree Sparrow, 18. **Total,** 16 species; 418 individuals.—Lucretius H. Ross (compiler), Henrietta Barrow, Dorothy Barrow, Mr. and Mrs. Chester K. Brooks, Erna Camradt, Catherine Foster, Thomas Foster, Stella Higgins, Margery Ludlow, Howard Nash, Joel C. R. Palmer, Salome Bixby Ross.

28. Burlington, Vt. (residential area; waterfront along Lake Champlain in commercial area; and Apple Tree Point; lake 60%; residential area 25%; coniferous woodland 15%).—Dec. 31; 7:30 a.m. to 3:30 p.m. Light snow; temp. 23° to 29°; calm, lake glassy smooth; ground covered with 2-4 in. of snow; lake open. Four observers in 1 party. Total party-hours, 8 (7 on foot, 1 by car); total party-miles, 25 (5 on foot, 20 by car). Common Loon, 2; Horned Grebe, 29; Black Duck, 9;

Greater Scaup, 2; Am. Golden-eye, 120; Am. Merganser, 26; Red-breasted Merganser, 1; Ruffed Grouse, 1; Great Black-backed Gull, 5; Herring Gull, 250; Blue Jay, 2; Am. Crow, 9; Black-capped Chickadee, 25; White-breasted Nuthatch, 2; Brown Creeper, 1; Common Starling, 14; House Sparrow, 300; Evening Grosbeak, 70; Purple Finch, 28; Am. Goldfinch, 1; Song Sparrow, 1; Snow Bunting, 62. **Total,** 22 species; 960 individuals. (Seen in area Jan. 1: Red-throated Loon, 3; Hairy Woodpecker, 1; Downy Woodpecker, 1; Cedar Waxwing, 3; Common Redpoll, 3; Pine Siskin, 17; Am. Tree Sparrow, 3.)—A. E. Ball (compiler), M. Kingsbury, A. S. Reynolds, M. L. Smith.

29. Newbury, Vt. (portions of Connecticut Valley and first range of hills westward; mixed woodland 50%, village streets 30%, open fields 20%). —Dec. 28; 9:30 a.m. to 4:30 p.m. High cloudiness; temp. 20° to 30°; wind S, 15 to 20, diminishing to 5, m.p.h. One observer. Total hours, 7 (on foot); total miles, 7. Am. Golden-eye, 10; Am. Merganser, 2; Ruffed Grouse, 8; Pileated Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 1; Am. Crow, 5; Black-capped Chickadee, 15; White-breasted Nuthatch, 1; Brown Creeper, 1; Golden-crowned Kinglet, 3; Common Starling, 90; House Sparrow, 24; Common Redpoll, 50; Am. Goldfinch, 8; Am. Tree Sparrow, 25. **Total,** 17 species; 249 individuals. Two Red-breasted Nuthatches were seen just before and just after the date of the Count.—Wendell P. Smith.

30. Woodstock, Vt. (5-mile radius, east, south and west of village, and village streets; open fields 40%, deciduous woodland 40%, hemlock and spruce woods 15%, village streets 5%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Mostly clear; temp. -3° to 54°; wind SSW, 10 m.p.h.; ground covered with 3 in. of crusted snow. Ten observers in 6 parties. Total party-hours, 34 (24 on foot, 10 by car); total party-miles, 65 (5 on foot, 60 by car). Ruffed Grouse, 1; Hairy Woodpecker, 4; Downy Woodpecker, 7; Blue Jay, 1; Am. Crow, 3; Black-capped Chickadee, 30; White-breasted Nuthatch, 9; Gray Shrike, 1; Common Starling, 1; House Sparrow, 40; Purple Finch, 26; Pine Siskin, 200; Am. Goldfinch, 1; Slate-colored Junco, 3; Am. Tree Sparrow, 26; White-throated Sparrow, 1. **Total,** 16 species; 354 individuals.—Mr. and Mrs T. S. Fillebrown, Mr. and Mrs. H. C. Holt, Mrs. Delamer Jones, Mr. and Mrs. Richard Marble, Mr. and Mrs. Edward C. Taylor, Mr. Blinn F. Yates.

31. Belmont and Fresh Pond (Cambridge), Mass. (same area as previous 16 years; pasture 10%, deciduous woodland 25%, coniferous woodland 10%, marshland 15%, residential 40%).—Dec. 27; 7:00 a.m. to 4:30 p.m. Clear; temp. 1° to 8°; wind NW, 20-10 m.p.h.; 1 in. of fresh snow; all ponds frozen except for small area. Fifteen observers in 7 parties. Total party-hours, 24; total party-miles, 60 (21 on foot, 39 by car). Mallard, 51; Black Duck, 29; Green-winged Teal, 1; Greater Scaup, 14; Am. Golden-eye, 22; Am. Merganser, 8; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 11; Am. Coot, 4; Great Black-backed Gull, 2; Herring Gull, 370; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 12; Blue Jay, 21; Am. Crow, 15; Black-capped Chickadee, 70; White-breasted Nuthatch, 11; Brown Creeper, 2; Cedar Waxwing, 4; Common Starling, 237; House Sparrow, 124; Eastern Meadowlark, 1; Purple Finch, 49; Am. Goldfinch, 20; **Vesper Sparrow,** 1; Slate-colored Junco, 50; Am. Tree Sparrow, 16; White-throated Sparrow, 2; Fox Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 17. **Total,** 34 species; 1178 individuals. (Seen in area Dec. 28: Snowy Owl, 1.)—Mr. and Mrs. Harold I. Brown, Jean Burch, Peter Castle, Mrs. Francis W. Davis, Mrs. Rachel Drew, George Drew, Mrs. Hervey B. Elkins, Kimball Elkins, Marjorie Morando, R. T. Paine III, Mr. and Mrs. Samuel D. Robbins, Mrs. Fletcher Watson, Betsy Wood.

32. Cape Ann, Mass. (Beverly, Essex, Manchester, Gloucester, Rockport, Ipswich Beach, as in previous years).—Dec. 24; 7 a.m. to 5 p.m. Cloudy, light rain; temp. 32° to 50°; wind SE, very light; snow on ground in a.m., ponds frozen. Twenty-one observers in 7 parties. Total party-hours, 58 (18 on foot, 40 by car); total party-miles, 250 (20 on foot, 230 by car). Common Loon, 26; Arctic Loon, 1; Red-throated Loon, 9; Red-necked Grebe, 10; Horned Grebe, 35; Gannet, 23; European Cormorant, 227; Black-crowned Night Heron, 1; Black Duck, 154; Greater Scaup, 9; Am. Golden-eye, 403; Buffle-head, 95; Oldsquaw, 71; Common Eider, 87; White-winged Scoter, 485; Surf Scoter, 23; Am. Scoter, 2; Red-breasted Merganser, 248; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 13; Purple Sandpiper, 44; Red-backed Sandpiper, 103; Sanderling, 7; Glaucous Gull, 1; Iceland Gull, 2; Great Black-backed Gull, 736; Herring Gull, 7920; Ring-billed Gull, 1; Bonaparte's Gull, 12; Black-legged Kittiwake, 19; Razor-billed Auk, 2; Brünnich's Murre, 1; Black Guillemot, 10; Mourning Dove, 12; Belted Kingfisher, 2; Yellow-shafted Flicker, 12; Hairy Woodpecker, 2; Downy Woodpecker, 14; Horned Lark (Northern), 12; Blue Jay, 46; Am. Crow, 237; Black-capped Chickadee, 217; White-breasted Nuthatch, 5; Brown Creeper, 19; Am. Robin, 3; Golden-crowned Kinglet, 12; Cedar Waxwing, 267; Common Starling, 2932; Myrtle Warbler, 382; Palm Warbler (Western), 2; House Sparrow, 327; Bronzed Grackle, 5; Evening Grosbeak, 1; Purple Finch, 18; Am. Goldfinch, 170; Slate-colored Junco, 135; Oregon Junco, 1; Am. Tree Sparrow, 182; Fox Sparrow, 2; Song Sparrow, 21; Snow Bunting, 35. **Total,** 63 species; 15,857 individuals. —Joseph Bagnulo, James Baird, Sally Bowker, Frances L. Burnett, Mr. and Mrs. Richard C. Curtis, Clara deWindt, Mr. and Mrs. Harry Hal-

berg, Winthrop Harrington, Lee L. Jamison, Paul Larcom, Ralph Lawson, Bertram Leadbeater, George Loring, Robert T. Paine, Marvin A. Rishang, Marc Sagan, Roderic W. Sommers, Dorothy Snyder, Katharine Tousey.

33. Cape Cod, Mass. (parts of Chatham, Brewster, Orleans, and Eastham; same routes as previous years).—Dec. 31; 1 hour before dawn to 1 hour after dusk. Heavy rain to 11:30, clearing to high overcast, showers in late p.m.; temp. 45° to 33°; wind NW to SE to NW, brisk; ground bare, marshes and ponds partly frozen. Twenty-three observers in 4 parties. Total party-hours, 43 (12 on foot, 31 by car); total party-miles, 290 (18 on foot, 272 by car). Common Loon, 26; Red-throated Loon, 2; Horned Grebe, 13; Pied-billed Grebe, 3; Gannet, 10; European Cormorant, 1; Great Blue Heron, 8; Black-crowned Night Heron, 10; Canada Goose, 4150; Brant, 810; Mallard, 1; Black Duck, 3660; Am. Widgeon, 54; Pintail, 2; Green-winged Teal, 7; Redhead, 10; Ring-necked Duck, 2; Greater Scaup, 235; Lesser Scaup, 44; Am. Golden-eye, 1000; Barrow's Golden-eye, 1; Buffle-head, 58; Old-squaw, 495; Harlequin Duck, 2♂; Common Eider, 860; White-winged Scoter, 600; Surf Scoter, 2; Am. Scoter, 7; Ruddy Duck, 44; Hooded Merganser, 7; Am. Merganser, 250; Red-breasted Merganser, 85; Red-tailed Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 7; Bob-White, 9 (J.D.C.); Virginia Rail, 1; Am. Coot, 38; Wilson's Snipe, 1; Lesser Yellow-legs, 1; Red-backed Sandpiper, 420; Sanderling, 80; Great Black-backed Gull, 272; Herring Gull, 2100; Ring-billed Gull, 144; Mourning Dove, 4; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 63; Hairy Woodpecker, 1; Downy Woodpecker, 10; Horned Lark, 77; Blue Jay, 66; Am. Crow, 260; Black-capped Chickadee, 600; White-breasted Nuthatch, 1; Brown Creeper, 2; Long-billed Marsh Wren, 4; Mockingbird, 1; Catbird, 1; Am. Robin, 161; Eastern Bluebird, 77; Golden-crowned Kinglet, 3; Cedar Waxwing, 40; Common Starling, 570; Orange-crowned Warbler, 1; Myrtle Warbler, 3280; Pine Warbler, 1; Palm Warbler (Western), 2; House Sparrow, 193; Eastern Meadowlark, 48; Purple Finch, 37; Am. Goldfinch, 185; Savannah Sparrow, 10; Seaside Sparrow, 3; Vesper Sparrow, 1; Slate-colored Junco, 22; Am. Tree Sparrow, 190; Field Sparrow, 20; White-throated Sparrow, 85; Swamp Sparrow, 17; Song Sparrow, 68; Snow Bunting, 22. **Total,** 85 species; 21,671 individuals. In spite of poor weather on Dec. 31, a good count of species was attained. (One Canvas-back, 1 King Eider, 1 Sharp-shinned Hawk, 1 Cooper's Hawk, 1 Clapper Rail, 1 Long-eared Owl and 2 Brown-headed Cowbirds were seen or heard in area on Jan. 1; 1 Goshawk and 2 Bald Eagles on Jan. 2.) —Virginia Armstrong, Joseph Bagnulo, Eleanor Barry, Mr. and Mrs. John Beattie, Fred A. Bryant, Mary Coit, Mr. and Mrs. Charles M. Crain, John D. Curtis, Henry H. Cutler, William H. Drury, Jr., Samuel A. Eliot, Jr., Ruth P. Emery, Robert Fox, Ludlow Griscom, Richard M. Hinchman, James T. Kelly, Henry M. Parker, Theresa Putnam, Emily Putnam, Robert Smart, Dorothy Snyder.

34. Cohasset, Mass. (6-mile radius through wooded country, pastures, back yards, ocean front).—Dec. 24; 8:30 a.m. to 4:30 p.m. Rainy; temp. 38° to 50°; wind SW, 5 m.p.h.; all fresh water frozen. Two observers in 1 party. Total party-hours, 7 (on foot); total party-miles, 6 (on foot). Common Loon, 4; European Cormorant, 6; Black Duck, 50; Am. Golden-eye, 15; Common Eider, 500+; White-winged Scoter, 15; Surf Scoter, 5; Red-breasted Merganser, 10; Sparrow Hawk, 1; Ruffed Grouse, 1; Purple Sandpiper, 12; Great Black-backed Gull, 10; Herring Gull, 300+; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 6; Am. Crow, 10; Black-capped Chickadee, 12; White-breasted Nuthatch, 2; Brown Creeper, 1; Am. Robin, 1; Eastern Bluebird, 8; Cedar Waxwing, 5; Gray Shrike, 1; Common Starling, 25; House Sparrow, 6; Evening Grosbeak, 5; Am. Goldfinch, 2; Slate-colored Junco, 10; Am. Tree Sparrow, 1; Song Sparrow, 2. **Total,** 33 species; 1037 individuals.—Laurence B. Fletcher (compiler), Charles B. Floyd.

35. Holyoke, Mass. (circle based on 15-mile diameter extending from Mt. Tom to Connecticut state line; river 25%, fields and meadows 25%, municipal park 20%, roadsides 20%, residential 5%, scattered woods 5%).—Dec. 31; 7 a.m. to 4:30 p.m. Cloudy, then clear; temp. 28° to 40°; calm; ground covered with 2-3 in. of snow. Ten observers in 4 parties. Total party-hours, 22 (10 on foot, 12 by car); total party-miles, 105 (10 on foot, 95 by car). Great Blue Heron, 1; Black Duck, 205; Wood Duck, 1; Am. Merganser, 82; Red-shouldered Hawk, 2; Bald Eagle, 1; Sparrow Hawk, 9; Herring Gull, 105; Ring-billed Gull, 1; Belted Kingfisher, 1; Hairy Woodpecker, 1; Downy Woodpecker, 8; Horned Lark, 6; Blue Jay, 18; Am. Crow, 1050; Black-capped Chickadee, 47; White-breasted Nuthatch, 4; Brown Creeper, 2; Golden-crowned Kinglet, 14; Common Starling, 800 (est.); House Sparrow, 250 (est.); Purple Finch, 9; Am. Goldfinch, 15; Slate-colored Junco, 29; Am. Tree Sparrow, 76; White-throated Sparrow, 1; Song Sparrow, 4. **Total,** 27 species; about 2742 individuals.—Aaron M. Bagg (compiler), Edward P. Bagg, Helen M. Bagg, Priscilla W. Bagg, Theodora M. Bagg, Dr. and Mrs. H. Harrison Clarke, Mr. and Mrs. Robert D. Edwards, Sabina Netkovick.

36. Lynn, Mass. (7½-mile radius centered in S. E. Peabody, including Lynn, Saugus, Nahant, Swampscott, Marblehead, Salem, Beverly, Danvers, Peabody & Lynnfield; mixed woodland 50%, residential 10%, farm and pasture 20%, marshes, downs and beaches 20%).—Dec. 30; 7 a.m. to 5 p.m. Clear; temp. 38° to 40°; wind E, 5 m.p.h;

ground bare, ponds frozen. Fifteen observers in 5 parties. Total party-hours, 68 (56 on foot, 12 by car); total party-miles, 298 (28 on foot, 270 by car). Common Loon, 17; Red-throated Loon, 5; Horned Grebe, 30; European Cormorant, 81; Mallard, 1; Black Duck, 2435+; Blue-winged Teal, 1 (A.W.A.); Greater Scaup, 2782+; Am. Golden-eye, 520+; Buffle-head, 271+; Old-squaw, 8; White-winged Scoter, 1218; Surf Scoter, 6; Am. Scoter, 6; Red-breasted Merganser, 191; Sparrow Hawk, 3; Ring-necked Pheasant, 1; Am. Coot, 3; Killdeer, 1 (J.T.K.); Purple Sandpiper, 86; Sanderling, 8; Iceland Gull (Kumlien's), 1 (J.T.K.); Great Black-backed Gull, 162; Herring Gull, 8450+; Ring-billed Gull, 8; Black Guillemot, 1; Mourning Dove, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 11; Horned Lark, 2; Blue Jay, 12; Am. Crow, 45; Black-capped Chickadee, 78; White-breasted Nuthatch, 6; Brown Creeper, 4; Golden-crowned Kinglet, 2; Common Starling, 645+; Yellow-breasted Chat, 1 (L.J., L.T.L.); House Sparrow, 110; Red-winged Blackbird, 2; Evening Grosbeak, 4; Purple Finch, 14; Am. Goldfinch, 42; Slate-colored Junco, 26; Am. Tree Sparrow, 6; Song Sparrow, 9; Snow Bunting, 108. **Total,** 48 species; 17,427 individuals.—Mr. and Mrs. Arthur W. Argue, F. Burrill, Bertha Davis, Lee Jameson, Arthur Katz, James T. Kelly, Mr. and Mrs. H. S. Lewis, Nason Lightman, L. T. Little (compiler), Mary McCarthy, Ellen Riggs, Kenneth Taylor, Ruth Woodbury (Brookline Bird Club).

37. Newburyport, Mass. (Plum Island and the Newburys, south to Topsfield, east to Castle Hill, Ipswich, and west to Groveland; and the Merrimac River; 12th year in same territory).—Dec. 24; 7 a.m. to 5 p.m. Cloudy, light rain in p.m.; temp. 32° to 50°; wind SE, very light; ponds frozen, ground covered with light snow in a.m.. Twenty-three observers in 6 parties. Total party-hours, 57 (20 on foot, 37 by car); total-party-miles, 250 (20 on foot, 230 by car). Common Loon, 21; Red-throated Loon, 5; Red-necked Grebe, 1; Horned Grebe, 29; European Cormorant, 1; Great Blue Heron, 1; Canada Goose, 25; Mallard, 6; Black Duck, 2227; Green-winged Teal, 1; Greater Scaup, 4068; Am. Golden-eye, 289; Buffle-head, 107; Old-squaw, 233; White-winged Scoter, 21; Am. Scoter, 1; Am. Merganser, 7; Red-breasted Merganser, 24; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Bald Eagle, 1; Sparrow Hawk, 6; Ruffed Grouse, 11; Ring-necked Pheasant, 6; Great Black-backed Gull, 36; Herring Gull, 550; Ring-billed Gull, 5; Black-headed Gull, 1; Bonaparte's Gull, 106; Mourning Dove, 9; Horned Owl, 2; Snowy Owl, 8; Saw-whet Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 13; Hairy Woodpecker, 9; Downy Woodpecker, 32; Horned Lark (Northern), 39; Blue Jay, 93; Am. Crow, 290; Black-capped Chickadee, 293; White-breasted Nuthatch, 7; Brown Creeper, 8; Am. Robin, 95; Golden-crowned Kinglet, 25; Cedar Waxwing, 90; Gray Shrike, 1; Common Starling, 3473; Myrtle Warbler, 169; Palm Warbler (Western), 1; Yellow-breasted Chat, 1; House Sparrow, 243; Brown-headed Cowbird, 61; Purple Finch, 138; Pine Siskin, 50; Am. Goldfinch, 70; Slate-colored Junco, 223; Oregon Junco, 1; Am. Tree Sparrow, 152; White-throated Sparrow, 1; Song Sparrow, 6; Lapland Longspur, 4; Snow Bunting, 35. **Total,** 64 species; 13,438 individuals. (Seen in the territory on Dec. 23: Brant, Snow Goose and Short-eared Owl; also a dead Baltimore Oriole on Dec. 24.)—Mr. and Mrs. D. C. Alexander, Mr. and Mrs. A. Argue, Eleanor E. Barry, Lois Batchelder, Mr. and Mrs. John Beattie, Mrs. H. A. Buswell, Katherine Curtis, W. E. Davis, William E. Davis, Jr., Mrs. H. B. Elkins, K. C. Elkins, Ruth Emery, Mr. and Mrs. E. P. Foye, Ludlow Griscom, Mrs. S. F. Grover, Dr. and Mrs. Stephen Maddock, Mrs. Lionel Sheppard, Mrs. Bertram Wellman.

38. Northampton, Mass. (same circle as in last 16 years; most time spent on fields, especially near water).—Dec. 24; 7 a.m. to 4 p.m. Overcast, and rainy after 2; temp. 30° to 38°; wind SE, calm to light; ground mostly covered with a thin film of new snow, water mostly open. Fifty observers, 21 at or near their homes, 29 afield in 18 parties, 7 with cars, 11 on foot. Mallard, 10; Black Duck, 127; Am. Golden-eye, 1; **Hooded Merganser,** 2; Am. Merganser, 22; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Pigeon Hawk, 1 (B.M.S.—positively neither Sharp-shinned nor Sparrow Hawk); Sparrow Hawk, 8; Ruffed Grouse, 10; Ring-necked Pheasant, 37; Killdeer, 1; Herring Gull, 17; **Ring-billed Gull,** 1; Mourning Dove, 1; Horned Owl, 4; Barred Owl, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 18; Downy Woodpecker, 60; Horned Lark (Northern), 60; Blue Jay, 159; Am. Crow, 570; Black-capped Chickadee, 207; White-breasted Nuthatch, 49; Brown Creeper, 15; Winter Wren, 1; **Carolina Wren,** 1 (in Easthampton since Oct. 26); Long-billed Marsh Wren, 1; Catbird, 1; Am. Robin, 41; Hermit Thrush, 1; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 3; Cedar Waxwing, 84; Gray Shrike, 1; Common Starling, 1380; House Sparrow, 800; Brown-headed Cowbird, 6; Purple Finch, 125; Am. Goldfinch, 370; Eastern Towhee, 1♂ (in Granby since Dec. 15); Slate-colored Junco, 375; Am. Tree Sparrow, 370; White-throated Sparrow, 5; Swamp Sparrow, 2; Song Sparrow, 22; **Lapland Longspur,** 4; **Total,** 50 species, about 5000 individuals. (Seen Dec. 26: Marsh Hawk, 1; Dec. 27: Field Sparrow, 1; Dec. 28: Evening Grosbeak, 1; Snow Bunting, 14; Dec. 29: Wilson's Snipe, 2; Common Redpoll, 100.)—Mrs. Howard Alcorn, J. L. Bagg, Mrs. Theodore Baird, L. M. Bartlett, Elizabeth Boyd, Jerry Brown, J. E. Cavanagh, J. E. Cavanagh, Jr., R. M. Clark, R. L. Coffin, E. H. Cotton, Isabelle Connor, Mrs. M. A. Dickinson, Jr., S. A. Eliot, Jr., Mrs. R. W. Fessenden, Dwight and John Graves, Caroline E. Hamilton, Mrs. J. E. Kentfield, Mrs.

Harry Kidger, A. S. Kinney, Donald LaCroix, Mrs. H. B. Lang, J. J. Madeira, Edwin, Mina and Patsy Mason, Mrs. A. J. Miller, Esther J. Pollard, Mary T. Pomeroy, Mr. and Mrs. D. A. Riedel, F. A. Saunders, Marie J. Schurr, Jane Sessions, Mr. and Mrs. B. M. Shaub, R. W. Smart, Mrs. Felix Southiers, Mr. and Mrs. E. C. Staples, Wallace Torrey, Mrs. George Tyler, Mrs. Seth Wakeman, G. A. Weeks, Mrs. W. S. Welles, Alan Weston, Mrs. P. L. Wheelock, Alice Woods, Richard Wright.

39. Pittsfield, Mass. (southwest side of Onota Lake; vicinity of Pittsfield sewer beds; mixed woods 25%, cattail swamp 5%, along roads and RR 40%, fields 30%).—Dec. 30; 8 a.m. to 3 p.m. Clear, hazy; temp. 22° to 34°; calm; 3 to 5 in. of snow, breakable crust. Six observers in 1 party. Total party-hours, 6 (5¾ on foot, ¼ by car); total party-miles, 15 (8 on foot, 7 by car). Goshawk, 1; Hairy Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 1; Am. Crow, 5; Black-capped Chickadee, 28; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Common Starling, 450+; House Sparrow, 2; Common Redpoll, 12; Am. Goldfinch, 18; Slate-colored Junco, 5; Tree Sparrow, 70; Song Sparrow, 1; Snow Bunting, 34. **Total,** 16 species; 637+ individuals.—Miss Edna Dunbar, Mr. and Mrs. Elmore J. Fitz, Bartlett Hendricks (compiler), Alvah W. Sanborn, Arlia Tomlinson (Hoffman Bird Club).

40. Provincetown, Mass. (north end of Cape Cod, including towns of Truro and Wellfleet).—Dec. 30; 8:30 a.m. to 4:30 p.m. Clear; temp. 32° to 34°; wind NW, light; ground bare, marshes partly frozen, fresh water ponds mostly frozen. Fourteen observers in 3 parties. Total party-hours, 24 (7 on foot, 17 by car); total party-miles, 75 (8 on foot, 67 by car). Common Loon, 17; Pacific Loon, 2; Red-throated Loon, 10; Red-necked Grebe, 1; Horned Grebe, 12; Gannet, 16; European Cormorant, 1; Canada Goose, 180; Snow Goose, 8; Black Duck, 1025; Am. Golden-eye, 100; Buffle-head, 13; Old-squaw, 1160; Common Eider, 1694; White-winged Scoter, 18; Surf Scoter, 3; Am. Merganser, 6; Red-breasted Merganser, 280; Red-tailed Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 5; Red-backed Sandpiper, 8; Great Black-backed Gull, 200; Herring Gull, 2450; Ring-billed Gull, 16; Mourning Dove, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 30; Downy Woodpecker, 3; Horned Lark, 21; Blue Jay, 41; Am. Crow, 57; Black-capped Chickadee, 130; Long-billed Marsh Wren, 2; Catbird, 1; Am. Robin, 13; Hermit Thrush, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 7; Common Starling, 265; Myrtle Warbler, 1320; Palm Warbler (Western), 1; House Sparrow, 92; Eastern Meadowlark, 12; Purple Finch, 15; Am. Goldfinch, 33; Savannah Sparrow, 2; Sharp-tailed Sparrow, 1; Slate-colored Junco, 11; Am. Tree Sparrow, 130; Field Sparrow, 2; White-throated Sparrow, 3; Swamp Sparrow, 14; Song Sparrow, 30; Snow Bunting, 43. **Total,** 55 species; 9521 individuals.—Virginia Armstrong, Joseph Bagnulo, Fred A. Bryant, Mary Coit, Mr. and Mrs. Charles M. Crain, William H. Drury, Jr., Samuel A. Eliot, Jr., Ruth P. Emery, Robert Fox, Ludlow Griscom, Henry M. Parker, Robert Smart, Dorothy Snyder.

41. Quincy, Mass. (Squantum, Moon Island, Wollaston, Milton, Braintree, Hingham, Hull; shore 60%, salt marsh 10%, open woods and park 25%, residential 5%).—Dec. 23; 7 a.m. to 4:30 p.m. Cloudy to clear; temp. 30° to 40°; wind NW, 5-10 m.p.h.; ground frozen; 90% fresh water frozen. Nine observers in 4 parties. Total party-hours, 28½ (11½ on foot, 17 by car); total party-miles, 169 (25 on foot, 144 by car). Common Loon, 13; Red-throated Loon, 3; Horned Grebe, 5; European Cormorant, 124; Great Blue Heron, 1; Black-crowned Night Heron, 96; Mallard, 4; Black Duck, 802; Am. Widgeon, 1; **Redhead,** 1; **Canvas-back,** 2; Greater Scaup, 4386 (4300 est., 86); Am. Golden-eye, 2324 (1700 est., 624); Buffle-head, 136; Old-squaw, 105; Common Eider, 12; White-winged Scoter, 735; Surf Scoter, 29; Am. Scoter, 22; **Red-breasted Merganser,** 1704; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 1; Ring-necked Pheasant, 10; Purple Sandpiper, 12; Glaucous Gull, 1; Iceland Gull, 3 (Eastern, 2; Kumlien's, 1); Great Black-backed Gull, 68, **Herring Gull,** 48,582 (46,000 est., 2582); Ring-billed Gull, 4; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Hairy Woodpecker, 5; Downy Woodpecker, 21; Horned Lark (Northern), 4; Blue Jay, 128; Am. Crow, 58; Black-capped Chickadee, 107; White-breasted Nuthatch, 6; Brown Creeper, 2; Winter Wren, 1; Am. Robin, 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 37; Common Starling, 50,000 (est.); Myrtle Warbler, 3; **Palm Warbler** (Yellow), 1 (uniformly bright-yellow underparts were scanned at close range by 4 observers); House Sparrow, 255; Purple Grackle (Bronzed), 1; Purple Finch, 20; Pine Siskin, 30; Am. Goldfinch, 79; Slate-colored Junco, 146; Am. Tree Sparrow, 25; White-throated Sparrow, 18; Fox Sparrow, 2; Song Sparrow, 25. **Total,** 60 species (1 additional subspecies); about 110,185 individuals.—G. Allen, R. Atkinson, R. Bailey, F. Fox, S. Higginbotham, T. MacInnes, A. D. West, D. Whitehead, C. Wright (South Shore Bird Club).

42. Ware, Mass. (east to Hardwick; south to Palmer Airport; north to Hardwick Pond; west to lower and middle Quabbin Reservoir; town gardens 5%, open farmland 20%, deciduous woodland 5%, pine woodland 10%, marshland 20%, reservoir and watershed 40%).—Dec. 31; 7 a.m. to 4:30 p.m. Light snowfall a.m.; temp. 32° to 40°; wind, variable, 1-5 m.p.h.; 2-4 in. of new snow; still water frozen. Eighteen observers in 5 parties. Total party-hours, 40 (27 on foot, 13 by car); total party-miles, 75 (50 on foot, 25 by car). Mallard, 3; Black Duck, 114; Am. Mer-

ganser, 23; Cooper's Hawk, 1; Red-tailed Hawk, 2; Bald Eagle, 1; Ruffed Grouse, 21; Ring-necked Pheasant, 25; Herring Gull, 52; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 8; Blue Jay, 74; Am. Crow, 143; Black-capped Chickadee, 109; White-breasted Nuthatch, 9; Brown Creeper, 4; Catbird, 1; Am. Robin, 5; Golden-crowned Kinglet, 37; Ruby-crowned Kinglet, 1; Common Starling, 211; House Sparrow, 85; Purple Finch, 22; Common Redpoll, 35; Am. Goldfinch, 6; Slate-colored Junco, 70; Am. Tree Sparrow, 159; Song Sparrow, 7; Snow Bunting, 135. **Total,** 30 species; 1369 individuals. (Seen in area Dec. 27: Holboell's Grebe, 1; Hooded Merganser, 1; Jan. 1: Eastern Meadowlark, 3; Dec. 28: Yellow-shafted Flicker, 1.)—L. G. Albertine, L. G. Albertine, Jr., M. E. Albertine, S. T. Berube, W. H. Berube, L. A. Campbell, L. M. Campbell, L. S. Campbell, N. Campbell, D. D. Conkey, J. H. Conkey (compiler), M. Knight, D. Lussier, L. R. Marland, E. Oberg, D. K. Sampson, E. Sampson, M. Thresher (Quabbin Bird Club).

43. Wellesley, Mass. (2-mile radius centering on Wellesley Hills, outward to township boundaries; town suburbs 40%, pasture 5%, deciduous woods 30%, grassy marshes 5%, cultivated fields 10%, evergreen woods 5%, ponds and streams 5%).—Dec. 25; 8 a.m. to 4 p.m. Fair; temp. 15° to 20°; wind N, 15 m.p.h.; ground covered with 3-in. snow; ponds frozen. Seven observers in 2 parties. Total party-hours, 16 (12 on foot, 4 by car); total party-miles, 100 (25 on foot, 75 by car). Mallard, 1; Black Duck, 5; Sharp-shinned Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 20; Killdeer, 1; Wilson's Snipe, 1; Herring Gull, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 4; Blue Jay, 9; Am. Crow, 25; Black-capped Chickadee, 49; White-breasted Nuthatch, 2; Brown Creeper, 3; Golden-crowned Kinglet, 11; Cedar Waxwing, 40; Common Starling, 53; House Sparrow, 48; Eastern Meadowlark, 5; Purple Finch, 8; Am. Goldfinch, 19; Slate-colored Junco, 84; Am. Tree Sparrow, 56; Swamp Sparrow, 2; Song Sparrow, 8. **Total,** 28 species; 463 individuals.—R. Hellmann, J. Downey, M. Greene, R. Benjamin, N. Betts, D. Sands (compiler), B. Thomas (Wellesley Bird Club).

44. Newport County, R. I., and Westport, Mass. (in part; same as last year; when listed under the heading Little Compton, R. I.; from Easton's Pond, Newport; to Gooseberry Neck, Westport; north to Stafford Pond; agricultural land, mixed pasture and cropland 28%, salt marsh 25%, brush borders and deciduous woods 25%, pitch pine and dune 2%, salt water and shore 20%).—Dec. 23; 6:15 a.m. to 4:15 p.m. Cirro-stratus; temp. 33° to 39°; wind W, 6-10 m.p.h.; ground bare; all fresh ponds but one frozen. Seventeen observers in 6 parties. Total party-hours, 60 (45 on foot, 13 by car, 2 by boat); total party-miles, 182 (58 on foot, 120 by car, 4 by boat). Common Loon, 77; Red-throated Loon, 44; Red-necked Grebe, 14; Horned Grebe, 75; Pied-billed Grebe, 3; European Cormorant, 770+; Double-crested Cormorant, 1 (immature bird carefully compared for *size* with European Cormorants as they flew over the boat—D.L.E., D.L.K.); Great Blue Heron, 12; Black-crowned Night Heron, 17; Yellow-crowned Night Heron, 1 (seen perched in tree and in flight at fifty yards—long yellowish legs noticed—J.B., A.M.); American Bittern, 2; Canada Goose, 277; Brant, 4; Mallard, 32; Black Duck, 610 (±10); Am. Widgeon, 113; Pintail, 27; Green-winged Teal, 31; Shoveller, 3; Redhead, 8; Ring-necked Duck, 2; Canvas-back, 12; Greater Scaup, 2500 (±100); Lesser Scaup, 80+; Am. Golden-eye, 650+; Buffle-head, 82; Old-squaw, 17; Harlequin Duck, 1; Common Eider, 138; White-winged Scoter, 530+; Surf Scoter, 300+; Am. Scoter, 17+; Ruddy Duck, 129; Am. Merganser, 77; Red-breasted Merganser, 650+; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 8; Gyrfalcon (black phase), 1 (approached within 50 ft. while perched; the bird flew, then circled back to perch on rock; uniform dark brown color, no mustachios, large size, heavy form, heavier flight, all noted by D.L.E. and D.L.K. New to both of them, but both had details in mind because R. Clement [who knew the bird from Labrador experience] saw one on Block Island, R. I., Oct. 16, and had described it in detail to R. I. Ornithological Club); Pigeon Hawk, 1 (immature female, uniformly dark brown above, closely observed from *above* as it flew by below our group eating lunch on a bluff; the bird descended to the reservoir shore and gave us additional observations; our first winter record for Rhode Island—R.C.C.); Sparrow Hawk, 14; Ruffed Grouse, 1; Bob-white, 1; Ring-necked Pheasant, 9; Clapper Rail, 1 (almost caught by hand by R.B., J.B., and A.M. who all know the bird well; there were five Clappers in another marsh here a week earlier); Am. Coot, 446+; Killdeer, 5; Wilson's Snipe, 2; Lesser Yellow-legs, 1 (closely observed by R.C.C.; second occurrence in this area's Christmas count); Purple Sandpiper, 148+; White-rumped Sandpiper, 1 (with Red-backs; closely observed at rest and in flight—thus showing white rump—by J.B. and R.B.; another [or the same] was seen by R.C.C. in late November); Red-backed Sandpiper, 298; Sanderling, 7; Great Black-backed Gull, 328+; Herring Gull, 4200 (±200); Ring-billed Gull, 143+; Bonaparte's Gull, 437+; Mourning Dove, 79; Screech Owl, 1; Horned Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 67+; Red-headed Woodpecker, 1 imm. (at feeding station in Little Compton, R. I., seen at close range by W.B.D. and his whole party); Hairy Woodpecker, 3; Downy Woodpecker, 12; Horned Lark, 335 (±10); Blue Jay, 75+; Am. Crow, 731+; Black-capped Chickadee, 179+; White-breasted Nuthatch, 2; Brown Creeper, 2; House Wren, 4 (closely and carefully observed by W.H.D. and R.G. in Middletown,

R. I., where also, they found Carolina and Long-billed Marsh Wrens); Winter Wren, 1; Carolina Wren, 9; Long-billed Marsh Wren, 19; Short-billed Marsh Wren, 1; Mockingbird, 1; Catbird, 4; Am. Robin, 2; Hermit Thrush, 2; Eastern Bluebird, 3; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1 (closely observed by J.B., the bird even elevating its crown while under observation; rare but not unprecedented here); Water Pipit, 7; Cedar Waxwing, 27; Loggerhead Shrike, 3; Common Starling, 4700 (±200); Myrtle Warbler, 275+; Palm Warbler (Western), 42; Common Yellowthroat, 1 (♀, carefully studied in good light by W.H.D. and R.G.); House Sparrow, 438+; Eastern Meadowlark, 354+; Red-winged Blackbird, 1; Brown-headed Cowbird, 900 (±100) (2 flocks); Purple Finch, 33; Am. Goldfinch, 90+; Eastern Towhee, 6; Ipswich Sparrow, 7; Savannah Sparrow, 11; Seaside Sparrow, 2 (R.B., D.L.E.); Vesper Sparrow, 8; Slate-colored Junco, 13; Am. Tree Sparrow, 86+; Chipping Sparrow, 1; Field Sparrow, 15; White-throated Sparrow, 56+; Fox Sparrow, 4; Swamp Sparrow, 23; Song Sparrow, 235+; Lapland Longspur, 1; Snow Bunting, 76. **Total,** 114 species; over 22,331 individuals.—J. Baird, R. Bowen, H. Childs, R. C. Clement, M. Curry, W. Dean, G. Donnelly, W. H. Drury, D. L. Emerson, H. N. Gibbs, R. Goodell, D. L. Kraus, A. Morgan, H. Parker, F. Perry, C. Wood, E. Weeks.

45. South Kingston, R. I. (Narragansett, South Kingston and the eastern half of Charleston; deciduous woods 10%, brushy fields 35%, open fields 20%, marshes and shore 35%).—Dec. 31; 6:45 a.m. to 4:30 p.m. Intermittent rain; temp. 32° to 38°; wind NNE to N, 2-4 m.p.h.; ground bare; all fresh water frozen. Eight observers in 2 parties. Total party-hours, 17 (11 on foot, 6 by car); total party-miles, 78 (8 on foot, 70 by car). Common Loon, 32; Red-throated Loon, 15; Red-necked Grebe, 1; Horned Grebe, 55; Pied-billed Grebe, 1; Gannet, 4; European Cormorant, 97; Great Blue Heron, 3; Canada Goose, 50; Mallard, 10; Black Duck, 1200; Pintail, 7; Redhead, 8; Canvas-back, 9; Greater Scaup, 1700; Am. Golden-eye, 825; Barrow's Golden-eye, 1; Bufflehead, 52; Common Eider, 30; White-winged Scoter, 16; Surf Scoter, 3; Am. Scoter, 1; Ruddy Duck, 6; Hooded Merganser, 1; Am. Merganser, 80; Red-breasted Merganser, 510; Marsh Hawk, 1; Sparrow Hawk, 9; Bob-white, 10; Killdeer, 1; Purple Sandpiper, 80; Red-backed Sandpiper, 5; Great Black-backed Gull, 50; Herring Gull, 750; Ring-billed Gull, 20; Black-headed Gull, 1; Bonaparte's Gull, 130; Mourning Dove, 128; Belted Kingfisher, 3; Yellow-shafted Flicker, 14; Hairy Woodpecker, 1; Downy Woodpecker, 7; Horned Lark, 7; Blue Jay, 10; Am. Crow, 42; Black-capped Chickadee, 65; White-breasted Nuthatch, 5; Brown Creeper, 2; House Wren, 1; Long-billed Marsh Wren, 1; Catbird, 6; Hermit Thrush, 1; Eastern Bluebird, 4; Loggerhead Shrike, 1; Common Starling, 750; Myrtle Warbler, 157; House Sparrow, 200; Eastern Meadowlark, 29; Brown-headed Cowbird, 1; Purple Finch, 50; Am. Goldfinch, 8; Eastern Towhee, 1; Ipswich Sparrow, 1; Savannah Sparrow, 25; Vesper Sparrow, 6; Slate-colored Junco, 12; Am. Tree Sparrow, 107; Field Sparrow, 14; White-throated Sparrow, 55; Swamp Sparrow, 1; Song Sparrow, 35; Snow Bunting, 32. **Total,** 72 species; about 7556 individuals. The Black-headed Gull was observed by both parties at 40 ft.—T. M. Curry, Jr., Mrs. A. Davenport, Mr. and Mrs. J. H. Gates, R. Gilbert, D. L. Kraus (compiler), Mrs. E. Parker, P. Wedemeyer (Little Rest Bird Club).

46. Hartford, Conn. (7½-mile radius centered at City Hall; same area covered on last 7 counts; mixed woodland 20%, grassy meadows along Connecticut River 60%, shrubby swamp 10%, plowed fields 5%, town suburbs 5%).—Dec. 30; 8 a.m. to 4:30 p.m. Varying fog; temp. 23° to 44°; ground covered with 2-4-in. crusted snow; all fresh water frozen except parts of Connecticut River. Forty observers in 22 parties. Total party-hours, 89 (76 on foot, 13 by car); total party-miles, 224 (76 on foot, 148 by car). Mallard, 28; Black Duck, 184; Ruddy Duck, 1; Hooded Merganser, 1; Am. Merganser, 305; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-shouldered Hawk, 6; Bald Eagle, 1; Sparrow Hawk, 14; Ring-necked Pheasant, 31; Great Black-backed Gull, 2; Herring Gull, 239; Ring-billed Gull, 45; Mourning Dove, 32; Barn Owl, 2; Screech Owl, 1; Barred Owl, 2; Long-eared Owl, 1; Yellow-shafted Flicker, 19; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 28; Downy Woodpecker, 101; Horned Lark, 229; Blue Jay, 158; Am. Crow, 672; Black-capped Chickadee, 280; Tufted Titmouse, 1 (R.G.); White-breasted Nuthatch, 75; Brown Creeper, 23; Winter Wren, 1; Catbird, 3; Am. Robin, 55; Hermit Thrush, 3; Eastern Bluebird, 15; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 5; Cedar Waxwing, 69; Loggerhead Shrike, 2; Common Starling, 2332; Myrtle Warbler, 44; House Sparrow, 726; Eastern Meadowlark, 40; Red-winged Blackbird, 309; Rusty Blackbird, 1; Brown-headed Cowbird, 41; Purple Finch, 116; Am. Goldfinch, 200; Savannah Sparrow, 1; Slate-colored Junco, 558; Am. Tree Sparrow, 800; Field Sparrow, 8; White-throated Sparrow, 23; Fox Sparrow, 3; Swamp Sparrow, 28; Song Sparrow, 144. **Total,** 57 species; 8040 individuals. (Seen Jan. 1: Great Blue Heron, 1; Black-crowned Night Heron, 2; Long-billed Marsh Wren, 1.)—Hilda Amidon, Mrs. Herbert Austin, Mrs. Warren Ball, Mr. and Mrs. Robert Belden, Mr. and Mrs. E. A. Bergstrom, J. Deeks, P. Fellows, Mr. and Mrs. L. French, R. Goodell, Mrs. L. T. Goodrich, G. Joseph, R. Keirstead, K. Keleher, W. Knapp, H. Liebe, Mr. and Mrs. R. Lincoln, D. MacDavid, J. O'Brien, G. Hapgood Parks, D. Purinton, Mrs. T. Rhines, Mr. and Mrs. R. Risley, T. Shires, Mrs. R. Simmons, C. Snow, A. Spring, Mrs. P. Stark, M. Tourison, Mrs. T. Utley, Mrs. A. Wadhams, E. Wadstrom, Mrs. L. Watkins, N. West, L. J. Whittles, J. Woodson.

47. New Haven, Conn. (7½-mile radius from East Rock, including the Sound shore from West Haven to Stoney Creek; shore 32%, lakes 10%, marsh 8%, wood margins 24%, upland woods 13%, conifers and mixed woods 8%, fields 5%). —Dec. 23; 6 a.m. to 5: p.m. Clear; temp. 17° to 31°; wind W, 0-8 m.p.h.; ground bare; ponds frozen, but large lakes and rivers open. Eight observers in 4 parties. Total party-hours, 27½ (19 on foot, 8½ by car); total party-miles, 181½ (20½ on foot, 161 by car). Common Loon, 2; Red-throated Loon, 24; Horned Grebe, 27; Pied-billed Grebe, 3; European Cormorant, 1; Black-crowned Night Heron, 1; Mallard, 17; Black Duck, 585; Am. Widgeon, 190; Redhead, 3; Ring-necked Duck, 49; Canvas-back, 2; Greater Scaup, 4577; Am. Golden-eye, 163; Buffle-head, 17; Old-squaw, 16; White-winged Scoter, 8; Am. Scoter, 1; Ruddy Duck, 14; Hooded Merganser, 5; Am. Merganser, 45; Red-breasted Merganser, 16; Turkey Vulture, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 1; Ruffed Grouse, 6; Am. Coot, 24; Great Black-backed Gull, 23; Herring Gull, 2878; Ring-billed Gull, 152; Bonaparte's Gull, 145; Mourning Dove, 2; Snowy Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 9; Hairy Woodpecker, 6; Downy Woodpecker, 17; Horned Lark (Northern), 3; Blue Jay, 65; Am. Crow, 275; Black-capped Chickadee, 84; White-breasted Nuthatch, 8; Brown Creeper, 4; Winter Wren, 1; Am. Robin, 11; Eastern Bluebird, 18; Golden-crowned Kinglet, 8; Cedar Waxwing, 18; Common Starling, 462; Myrtle Warbler, 52; House Sparrow, 340; Eastern Meadowlark, 3; Red-winged Blackbird, 30; Purple Grackle, 9; Purple Finch, 15; Am. Goldfinch, 45; Eastern Towhee, 1; Slate-colored Junco, 87; Am. Tree Sparrow, 48; White-throated Sparrow, 73; Fox Sparrow, 5; Swamp Sparrow, 11; Song Sparrow, 54. **Total,** 67 species; 8728 individuals.—Irston R. Barnes, Alfred R. Bellinger, Peter Bellinger, Henry Bunting, Samuel A. Galpin, Charles Huntington, Lawrence Murphy, Norman Perreault.

48. New London, Conn. (seven-mile radius ,east to Mystic; west to Niantic and East Lyme; pasture 30%, town suburbs 15%, deciduous woodlots 10%, marsh 10%, shores 35%).—Dec. 24; 7 a.m. to 3:30 p.m. Cloudy, rain from 2 p.m. on; temp. 25° to 35°; wind NW to ENE, 4-14 m.p.h. Eleven observers in 8 parties. Total party-hours, 46 (34 on foot, 12 by car); total party-miles, 85 (28 on foot, 57 by car). Common Loon, 7; Horned Grebe, 13; European Cormorant, 4; Great Blue Heron, 5; Mallard, 2; Black Duck, 240; Ring-necked Duck, 3; Lesser Scaup, 51; Am. Golden-eye, 64; Buffle-head, 136; White-winged Scoter, 4; Surf Scoter, 14; Am. Scoter, 5; Am. Merganser, 16; Red-breasted Merganser, 73; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 2; Am. Coot, 1; Killdeer, 8; Wilson's Snipe, 1; Great Black-backed Gull, 15; Herring Gull, 200; Ring-billed Gull, 11; Bonaparte's Gull, 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 9; Hairy Woodpecker, 2; Downy Woodpecker, 8; Blue Jay, 15; Am. Crow, 22; Black-capped Chickadee, 31; Brown Creeper, 1; Catbird, 1; Eastern Bluebird, 15; Golden-crowned Kinglet, 3; Gray Shrike, 1; Common Starling, 216; Myrtle Warbler, 35; House Sparrow, 19; Eastern Meadowlark, 3; Rose-breasted Grosbeak, 1 (winter in Mystic) (McElroy and Erisman); Purple Finch, 8; Am. Goldfinch, 34; Slate-colored Junco, 40; Am. Tree Sparrow, 4; Chipping Sparrow, 19 (identified at close range by Dr. Richard Goodwin) [no further details—Ed.]; Field Sparrow, 9; White-throated Sparrow, 26; Song Sparrow, 3; Snow Bunting, 8. **Total,** 51 species; 1419 individuals.—Thomas P. McElroy, Mrs. R. O. Erisman, Maynard Peterson, Thomas E. Troland, Ralph Danforth, Mrs. Frank J. Kohl, Mrs. Wilson-Brown, Bennett Keenan, Richard Goodwin, Roger Burke, Robert Fulton Logan (compiler).

49. Oxford, Conn. (Quaker Farms to Stevenson, to Squantuck, and back; brush land 50%, deciduous woods 10%, mixed hemlock woods 10%, river front 15%, open land and highway 15%).—Dec. 24; 7:30 a.m. to 4 p.m. Cloudy; few showers about noon; clearing late p.m.; ground covered with 1 to 3 in. of snow; ponds frozen, Housatonic River open. Total party-hours, 8½ (on foot); total party-miles, 13 (on foot). Sparrow Hawk, 1; Ruffed Grouse, 1; Herring Gull, 7; Yellow-shafted Flicker, 9; Hairy Woodpecker, 2; Downy Woodpecker, 11; Blue Jay, 61; Am. Crow, 15; Black-capped Chickadee, 44; White-breasted Nuthatch, 4; Brown Creeper, 3; Winter Wren, 4; Am. Robin, 53; Hermit Thrush, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 23; Ruby-crowned Kinglet, 3; Cedar Waxwing, 19; Common Starling, 85; Myrtle Warbler, 92; House Sparrow, 45; Purple Finch, 31; Am. Goldfinch, 89; Slate-colored Junco, 133; Tree Sparrow, 62; White-throated Sparrow, 1; Fox Sparrow, 2; Song Sparrow, 8. **Total,** 28 species; 819 individuals.—Alfred P. Harger.

50. Saybrook, Conn. (same as last year, Sound shore from Hammonasset to Lyme, Connecticut Valley north to Hadlyme; shore 33%, marsh 17%, fields 4%, wood margins 17%, upland woods 4%, mixed woods 8%, bottomland woods 17%).—Dec. 26; 6:45 a.m. to 5 p.m. Snow after 8:30 a.m.; temp. 18° to 28°; wind NE, 0-5 m.p.h.; ponds, marshes frozen, Connecticut River frozen or choked with ice above bridge. Three observers in 2 parties until noon, thereafter together. Total party-hours, 15 (12 on foot, 3 by car); total party-miles, 78 (8 on foot, 70 by car). Common Loon, 2; Red-throated Loon, 9; Horned Grebe, 20; Pied-billed Grebe, 1; Mallard, 3; Black Duck, 1148; Am. Widgeon, 6; Pintail, 60; Green-winged Teal, 4; Greater Scaup, 297; Am. Golden-eye, 80; Buffle-head, 10; White-winged Scoter, 18; Surf Scoter, 1; Am. Scoter, 2; Ruddy Duck, 11; Hooded Merganser, 4; Am. Merganser, 119; Red-breasted

Merganser, 38; Red-tailed Hawk, 1; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Am. Coot, 255; Purple Sandpiper, 1; Great Black-backed Gull, 20; Herring Gull, 605; Ring-billed Gull, 323; Mourning Dove. 9; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Downy Woodpecker, 5; Horned Lark, 2; Blue Jay, 22; Am. Crow, 26; Black-capped Chickadee, 20; Brown Creeper, 1; Catbird, 1; Am. Robin, 45; Hermit Thrush, 1; Eastern Bluebird, 8; Golden-crowned Kinglet, 1; Cedar Waxwing, 58; Common Starling, 147; Myrtle Warbler, 52; House Sparrow, 8; Eastern Meadowlark, 3; Red-winged Blackbird, 1; Purple Finch, 6; Am. Goldfinch, 11; Eastern Towhee, 1; Ipswich Sparrow, 2; Savannah Sparrow, 2; Slate-colored Junco, 18; Am. Tree Sparrow, 34; Field Sparrow, 3; White-throated Sparrow, 61; Swamp Sparrow, 3; Song Sparrow, 23; Snow Bunting, 4. **Total,** 60 species; 3623 individuals. Five inches of snow after 8:30 a.m. reduced visibility to 100 yards and made land birds difficult to find.—Irston R. Barnes, Henry Bunting, Lawrence Murphy.

51. Waterbury, Conn. (7½-mile radius centering on the Waterbury Municipal Stadium, including Fulton Park, Riverside Cemetery and 3 scattered feeding stations within city limits, general area from lower Greystone Brook in Waterville to Woodtick Reservoir in Wolcott, small section about Good Pond in Middlebury; mixed conifers 60%, park-cemetery lots 10%, deciduous woodland 15%, open land 10%, suburbs 5%).—Dec. 30; 7:15 a.m. to 4:15 p.m. Clear; temp. 2° to 48°; wind, 0 to 7 m.p.h.; ground with 2-10-in. crusted snow, lakes frozen, brooks partially frozen. Eleven observers in 5 parties. Total party-hours, 38½ (33½ on foot, 5 by car); total party-miles, 43 (8 on foot, 35 by car). Cooper's Hawk, 1; Red-shouldered Hawk, 1; Ruffed Grouse, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 8; Blue Jay, 42; Am. Crow, 64; Black-capped Chickadee, 47; White-breasted Nuthatch, 10; Am. Robin, 7; Golden-crowned Kinglet, 15; Cedar Waxwing, 55; Common Starling, 456 (296±50, 160); House Sparrow, 77; Purple Finch, 70; Pine Siskin, 2; Am. Goldfinch, 34; Slate-colored Junco, 52; Am. Tree Sparrow, 15; Field Sparrow, 4; White-throated Sparrow, 3; Song Sparrow, 7. **Total,** 23 species; 977 individuals. The Sapsucker was at Mrs. Timberlake's feeder for 2 days, checked by Mrs. Barrows and others. (Seen Dec. 24: Eastern Bluebird, 13; Myrtle Warbler, 3; Belted Kingfisher, 1; and on Dec. 25: Ruby-crowned Kinglet, 1; Brown Creeper, 1.—Walter L. Barrows, H. R. Geering, Anna Zukauskas, E. Beverly Slack, Mrs. Erna K. Slack, Mrs. C. B. Timberlake, Mrs. A. Streeter, Mr. and Mrs. Robert R. Sturges, Mary E. Yanikuny, John Maskiewicz (compiler) (Waterbury Naturalist Club).

52. Westport, Conn. (including parts of Norwalk, Wilton, Easton, Weston and Fairfield; Sound shore from Fairfield Beach to Great Marsh, Norwalk; open fields 20%, woodlands 15%, town suburbs 15%, Long Island Sound and shore 30%, salt marsh 15%, inland waters 5%).—Dec. 30; 7 a.m. to 4:45 p.m. Clear; temp. 35° to 43°; wind S, calm to 5 m.p.h.; ground bare, most fresh water frozen. Twenty observers in 5 parties. Total party-hours, 34 (24 on foot, 10 by car); total party-miles, 60 (18 on foot, 42 by car). Common Loon, 1; Red-throated Loon, 6; Horned Grebe, 10; European Cormorant, 2; Great Blue Heron, 2; Black-crowned Night Heron, 22; Mute Swan, 11; Whistling Swan, 1; Mallard, 58; Black Duck, 330; Pintail, 1; Ring-necked Duck, 2; Greater Scaup, 2000 (±500); Am. Golden-eye, 175; Buffle-head, 122; Old-squaw, 610 (500±50, 110); White-winged Scoter, 1238; Surf Scoter, 6; Hooded Merganser, 1; Am. Merganser, 112; Red-breasted Merganser, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 3; Killdeer, 26; Black-bellied Plover, 5; Ruddy Turnstone, 2 [no details—Ed.]; Red-backed Sandpiper, 9; Great Black-backed Gull, 21; Herring Gull, 1300 (±200); Ring-billed Gull, 44; Mourning Dove, 38; Snowy Owl, 1; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 10; Horned Lark, 8 (inc. 1 Prairie); Blue Jay, 34; Am. Crow, 56; Black-capped Chickadee, 51; Tufted Titmouse, 2; White-breasted Nuthatch, 10; Brown Creeper, 4; Catbird, 3; Am. Robin, 12; Hermit Thrush, 1; Eastern Bluebird, 13; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 1; Cedar Waxwing, 65; Gray Shrike, 1; Common Starling, 358; Myrtle Warbler, 13; House Sparrow, 71; Brown-headed Cowbird, 196; Cardinal, 5; Purple Finch, 27; Am. Goldfinch, 36; Eastern Towhee, 2; Savannah Sparrow, 1; Slate-colored Junco, 134; Am. Tree Sparrow, 73; White-throated Sparrow, 11; Song Sparrow, 24; Lapland Longspur, 1; Snow Bunting, 44. **Total,** 73 species (1 additional subspecies); about 7467 individuals. (Seen in area Dec. 29: Pileated Woodpecker, 1; Peregrine Falcon, 1; Chipping Sparrow, 6.)—L. Bradley, L. Bregy, M. Brown, R. Burdsall, W. Curtis, Mrs. W. Curtis, D. Eckholm, B. Ficke, R. Gauthey, Mrs. P. Johnson, R. Johnson, Mrs. E. Leaycraft, R. Lemmon, Mrs. H. Long, J. Malkin, L. Moe, F. Novack, S. Roberts, C. Spofford, Miss S. Tate, Mrs. G. Weston, J. Young (Westport Audubon Society).

53. Brooklyn, N. Y. (including city parks, Shore Rd., Belt Parkway to Cross Bay Blvd., south to Rockaway Peninsula, west to Rockaway Point Jetty; wooded city parks 30%, sheltered bay 25%, salt marsh 25%, open fields 15%, outer beach and ocean 5%).—Dec. 24; 7:30 a.m. to 5 p.m. Showers, clearing; temp. 32° to 45°; wind NE to NW, 8 m.p.h.; some ice on fresh-water ponds. Thirty-seven observers in 9 parties. Total party-hours, 52 (40 on foot, 12 by car); total party-miles, 116 (46 on foot, 70 by car).

Common Loon, 3; Red-throated Loon, 10; Horned Grebe, 10; Pied-billed Grebe, 1; Great Blue Heron, 2; Am. Bittern, 4; Black-crowned Night Heron, 2; Mallard, 23; Black Duck, 791; Gadwall, 1; Redhead, 1; Ring-necked Duck, 1; Canvas-back, 7; Greater Scaup, 5755; Lesser Scaup, 6; Am. Golden-eye, 123; Buffle-head, 50; Old-squaw, 2; White-winged Scoter, 3; Ruddy Duck, 8; Hooded Merganser, 1; Am. Merganser, 4; Red-breasted Merganser, 493; Red-tailed Hawk, 1; Marsh Hawk, 10; Peregrine Falcon, 3; Sparrow Hawk, 19; Clapper Rail, 5; Killdeer, 29; Greater Yellow-legs, 1; Purple Sandpiper, 30; Red-backed Sandpiper, 27; Sanderling, 134; Great Black-backed Gull, 376; Herring Gull, 15,800 (8500±200, 7300); Ring-billed Gull, 544 (350±50, 194); Laughing Gull, 27; Bonaparte's Gull, 4720 (3500±100, 1220); Barn Owl, 1; Short-eared Owl, 6; Yellow-shafted Flicker, 1; Downy Woodpecker, 18; Horned Lark, 18; Blue Jay, 4; Am. Crow, 16; Black-capped Chickadee, 10; White-breasted Nuthatch, 6; Brown Creeper, 2; Long-billed Marsh Wren, 1; Brown Thrasher, 1; Am. Robin, 7; Water Pipit, 1; Cedar Waxwing, 6; Loggerhead Shrike, 1; Common Starling, 9000+; Myrtle Warbler, 31; House Sparrow, 12,000+; Eastern Meadowlark, 20; Red-winged Blackbird, 3; Brown-headed Cowbird, 1; Cardinal, 2; Purple Finch, 1; Am. Goldfinch, 21; Ipswich Sparrow, 1; Savannah Sparrow, 123; Sharp-tailed Sparrow, 1; Seaside Sparrow, 1; Vesper Sparrow, 1; Slate-colored Junco, 62; Am. Tree Sparrow, 149; Field Sparrow, 1; White-throated Sparrow, 19; Swamp Sparrow, 13; Song Sparrow, 189; Snow Bunting, 38. **Total,** 75 species; 50,803 individuals.—I. Alperin, Mr. and Mrs. Altman, G. Barr, Mr. and Mrs. M. Bloom, Mrs. P. Busch, R. Clermont, P. Ebersman, R. Fagin, Mrs. F. Feldhusen, Miss E. Feldhusen, M. Goldman, Miss E. Gould, F. Horn, T. A. Imhof, M. Jacobson, Mr. and Mrs. A. Jones, D. Kreissman, I. Laskowitz, C. Meyerdierks, J. Murphy, M. Noyes, Irene Parks, H. Romano, E. Rudolph, S. Savath, W. Sedwitz, J. Soll, W. Solomon, J. Sterling, E. Swayer, H. Thelen, E. Whelen (compiler), A. Wrede, L. Zeitz (Brooklyn Bird Club).

54. Orient Point, L. I., N. Y. (triangular area, stretching 4 mi. west and 3½ mi. southwest from the Point between L. I. Sound and Gardiners Bay; 40% flat farmland, 20% sandspit with scrub pines [no dunes], 20% salt marsh, 15% ridge with deciduous trees, honeysuckle and a few cedars, 5% dooryards).—Dec. 29; 7:05 a.m. to 4:40 p.m. Light to heavy rains entire day; temp. 34° to 45°; wind SE-E, sudden change to W at 3:30 p.m., 2-20 m.p.h.; ground frozen, some snow on ground, but only drifts left by night-fall; fresh ponds and small salt inlets frozen; visibility 200 yds. to 3 mi. Four observers in 1 party, at times separated. Total party-hours, 15 (11 on foot, 4 by car); total party-miles, 33½ (8½ on foot, 25 by car). Common Loon, 2; Red-throated Loon, 1; Horned Grebe, 6; Pied-billed Grebe, 1; Double-crested Cormorant, 1; Great Blue Heron, 1; Black Duck, 12; Greater Scaup, 35; Am. Golden-eye, 18; Buffle-head, 1; Old-squaw, 275 (est.); White-winged Scoter, 210 (est.); Surf Scoter, 160 (est.); Am. Scoter, 1; Red-breasted Merganser, 15; Marsh Hawk, 1; Ring-necked Pheasant, 12; Great Black-backed Gull, 42; Herring Gull, 400 (est.); Ring-billed Gull, 2; Snowy Owl, 1; Yellow-shafted Flicker, 5; Downy Woodpecker, 2; Horned Lark (Northern and Prairie definitely identified), 85 (est.); Blue Jay, 2; Black-capped Chickadee, 7; Brown Creeper, 1; Winter Wren, 1; Brown Thrasher, 2; Am. Robin, 9; Hermit Thrush, 1; Cedar Waxwing, 1; Common Starling, 55 (est.); Myrtle Warbler, 6; House Sparrow, 32; Eastern Meadowlark, 36; Purple Grackle, 1; Purple Finch, 1; Am. Goldfinch, 4; Savannah Sparrow, 1; Slate-colored Junco, 8; Am. Tree Sparrow, 5; White-throated Sparrow, 18; Fox Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 55; Lapland Longspur, 24 (R.E.H., R.S.M.—seen in the bleak potato field at the very tip of Orient Pt.; heavy driving rain made it difficult to distinguish colors but the chunky form, the sparrow-like bill and the tail pattern could all be seen and the notes were heard by both observers who recognized characteristic behavior as well); Snow Bunting, 40 (est.). **Total,** 48 species; 1603 individuals.—A. Nelson Chapman, Henry H. Collins, Jr., Richard Edes Harrison (compiler), Robert S. Mathews.

55. Quoque to Watermill, L. I., N. Y.—Dec. 23; 7 a.m. to 4:45 p.m. Clear; temp. 27° to 32°; wind NW, light; ground bare, most fresh-water ponds frozen. Two observers in 1 party. Total party-hours, 9¾; total party-miles, 93 (6 on foot, 87 by car). Common Loon, 10; Red-throated Loon, 6; Horned Grebe, 14; Pied-billed Grebe, 6; Gannet, 2; Great Blue Heron, 21; Am. Bittern, 1; Mute Swan, 41; Canada Goose, 510; Brant, 4; Mallard, 130; Black Duck, 21; Am. Widgeon, 1; Pintail, 25; Redhead, 2; Ring-necked Duck, 9; Canvas-back, 2; Greater Scaup, 910; Am. Golden-eye, 134; Buffle-head, 14; Old-squaw, 136; White-winged Scoter, 115; Surf Scoter, 1; Am. Scoter, 40; Ruddy Duck, 55; Hooded Merganser, 2; Am. Merganser, 17; Red-breasted Merganser, 27; Marsh Hawk, 3; Sparrow Hawk, 6; Am. Coot, 455; Killdeer, 1; Black-bellied Plover, 1; Red-backed Sandpiper, 1; Sanderling, 62; Great Black-backed Gull, 50; Herring Gull, 660; Ring-billed Gull, 24; Mourning Dove, 50; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Downy Woodpecker, 2; Horned Lark, 1; Tree Swallow, 1; Blue Jay, 23; Am. Crow, 43; Black-capped Chickadee, 37; Catbird, 1; Am. Robin, 6; Loggerhead Shrike, 1; Common Starling, 535; Myrtle Warbler, 148; House Sparrow, 56; Eastern Meadowlark, 4; Brown-headed Cowbird, 2; Am. Goldfinch, 21; Ipswich Sparrow, 1; Slate-colored Junco, 9; Am. Tree Sparrow, 12; Field Sparrow, 3; White-throated Sparrow, 6; Fox Sparrow, 3; Swamp Sparrow, 6; Song Sparrow, 27. **Total,** 64 species; 4521 individuals.—Arthur Cooley, Leroy Wilcox.

56. Smithtown, L. I., N. Y. (7½-mile radius centering on Smithtown and including Nissequogue River area, L. I. Sound shore from Short Beach to Long Beach and Old Field Point, St. James and Stony Brook Harbors; pasture 10%, plowed land 10%, deciduous farm woodlots 50%, salt marsh 25%, pine grove 5%).—Dec. 28; 4:30 a.m. to 5 p.m. Clear; temp. 2° to 38°; wind SE, 5 m.p.h.; ground covered with 2-4-in. light snow, fresh water frozen. Four observers in 4 parties. Total party-hours, 40 (30 on foot, 10 by car); total party-miles, 178 (34 on foot, 144 by car). Common Loon, 2; Red-throated Loon, 5; Red-necked Grebe, 3; Horned Grebe, 95; Pied-billed Grebe, 1; Great Blue Heron, 5; Black-crowned Night Heron, 42; Mute Swan, 2; Canada Goose, 43; Mallard, 19; Black Duck, 767; Am. Widgeon, 63; Pintail, 1; Green-winged Teal, 1; Redhead, 1; Ring-necked Duck, 78; Greater Scaup, 145; Lesser Scaup, 3; Am. Golden-eye, 633; Bufflehead, 12; Old-squaw, 705; Common Eider, 1; White-winged Scoter, 639; Surf Scoter, 121; Am. Scoter, 1; Hooded Merganser, 2; Am. Merganser, 27; Red-breasted Merganser, 309; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 2; Peregrine Falcon, 1; Ring-necked Pheasant, 1; Clapper Rail, 1; Am. Coot, 10; Killdeer, 4; Black-bellied Plover, 2; Sanderling, 1; Great Black-backed Gull, 45; Herring Gull, 2160; Ring-billed Gull, 436; Mourning Dove, 1; Screech Owl, 2; Horned Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 10; Hairy Woodpecker, 4; Downy Woodpecker, 13; Horned Lark, 34; Blue Jay, 20; Am. Crow, 93; Fish Crow, 5; Black-capped Chickadee, 56; White-breasted Nuthatch, 12; Winter Wren, 5; Carolina Wren, 1; Long-billed Marsh Wren, 1; Catbird, 3; Am. Robin, 4; Hermit Thrush, 3; Eastern Bluebird, 4; Golden-crowned Kinglet, 5; Common Starling, 155; Myrtle Warbler, 46; House Sparrow, 5; Eastern Meadowlark, 5; Red-winged Blackbird, 6; Purple Grackle, 1; Brown-headed Cowbird, 5; Cardinal, 2; Purple Finch, 7; Am. Goldfinch, 80; Savannah Sparrow, 2; Sharp-tailed Sparrow, 3; Slate-colored Junco, 38; Am. Tree Sparrow, 22; White-throated Sparrow, 73; Fox Sparrow, 1; Lincoln's Sparrow, 1 (fine breast streaking and creamy buff band across breast observed at 25 ft.; compared with nearby Song Sparrows.—R.R.); Swamp Sparrow, 13; Song Sparrow, 55; Snow Bunting, 7. **Total,** 83 species; 7200 individuals.—R. B. Fischer, W. B. Sabin, J. G. Ralston, R. Ralston (compiler).

57. Southern Nassau County, L. I., N. Y. (Atlantic Beach to Jones Beach, north to Garden City and Westbury; circle centered at Baldwin; open ocean 40%, suburban development 35%, beaches, bays, tidal marsh 15%, parks, woodland, open farms, golf courses 10%).—Dec. 30; 6 a.m. to 11:30 p.m. Thick fog to 11 a.m., clearing to fair; temp. 32° to 45°; no wind; ground bare, thawing; most ponds frozen. Forty-five observers in 12 parties. Total party-hours, 76 (54 on foot, 8 by car, 14 by boat); total party-miles, 295 (94 on foot, 166 by car, 35 by boat). Common Loon, 17; Red-throated Loon, 16; Horned Grebe, 25; Pied-billed Grebe, 5; Gannet, 18; Double-crested Cormorant, 1; Great Blue Heron, 21; Am. Bittern, 2; Black-crowned Night Heron, 27; Mute Swan, 12; Canada Goose, 68; Brant, 1750 (±250); Mallard, 312; Black Duck, 920 (850±25, 70); Gadwall, 6; European Widgeon, 4; Am. Widgeon, 221; Pintail, 53; Green-winged Teal, 62; Shoveller, 21; Canvasback, 7; Greater Scaup, 2498 (2000±200, 498); Am. Golden-eye, 26; Buffle-head, 4; Old-squaw, 3; White-winged Scoter, 15; Surf Scoter, 2; Am. Scoter, 9; Ruddy Duck, 15; Hooded Merganser, 10; Am. Merganser, 58; **Red-breasted Merganser,** 704; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; **Broad-winged Hawk,** 1 (circling overhead in perfect light, Buteo shape, short wings, tail, broad bands on tail noted, observers familiar with species —Mrs. H.M., Mrs. J.R.); Marsh Hawk, 8; Sparrow Hawk, 16; Bob-white, 1; Ring-necked Pheasant, 1; **Clapper Rail,** 9; Am. Coot, 21; Killdeer, 17; Wilson's Snipe, 2; Greater Yellow-legs, 3; Purple Sandpiper, 11; Red-backed Sandpiper, 7; Sanderling, 23; Iceland Gull, 1; Great Black-backed Gull, 303; Herring Gull, 10,906; (10,000±500, 906); Ring-billed Gull, 181; Bonaparte's Gull, 3; Black-legged Kittiwake, 2; Brünnich's Murre, 1 (3 miles off shore, seen at 30 yards, size, shape, bill-shape carefully noted—R.R.); Dovekie, 1; Mourning Dove, 11; Barn Owl, 2; **Screech Owl,** 8; Long-eared Owl, 2; Short-eared Owl, 2; Saw-whet Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 26; Horned Lark, 41 (Northern, 36; Prairie, 5); Blue Jay, 88; Am. Crow, 70; Black-capped Chickadee, 112; White-breasted Nuthatch, 12; Brown Creeper, 7; Winter Wren, 1; Long-billed Marsh Wren, 2; Catbird, 1; Brown Thrasher, 1; Am. Robin, 12; Hermit Thrush, 2; Eastern Bluebird, 6; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 1; Water Pipit, 2; Cedar Waxwing, 17; Common Starling, 1429 (1000±50, 429); Myrtle Warbler, 261; House Sparrow, 1052; **Eastern Meadowlark,** 188; Red-winged Blackbird, 358; Purple Grackle, 1; Brown-headed Cowbird, 374; Cardinal, 8; Purple Finch, 7; House Finch, 37; Am. Goldfinch, 22; Eastern Towhee, 1; Ipswich Sparrow, 3; Savannah Sparrow, 24; **Sharp-tailed Sparrow,** 11; Seaside Sparrow, 5; Slate-colored Junco, 301; Am. Tree Sparrow, 462; Chipping Sparrow, 2; Field Sparrow, 52; White-throated Sparrow, 198; Fox Sparrow, 8; Swamp Sparrow, 10; Song Sparrow, 133; Snow Bunting, 79. **Total,** 108 species (1 additional subspecies); about 23,907 individuals. (Seen in area during count period: Florida Gallinule, 1; Orange-crowned Warbler, 1; Vesper Sparrow, 3.)—J. E. Acheson, Irwin Alperin, Robert S. Arbib, Jr., Mrs. E. Arthur, Dr. and Mrs. Benjamin C. Berliner, Ned Boyajian, John L. Bull, Jr., E. Campbell, Geoffrey Carleton, Guy Coheleach, E. Costich, Mabel Davis, Eugene Eisenmann, John J. Elliott, J. Emory, Robert Ficken, Richard B. Fischer, Weston Fowler, Dr. and Mrs.

Heathcote Kimball, Mrs. Howard Meinke, Robert Mitchell, Edmund Morgan, Herman Muller, Edmund H. O'Brien, George Peters, Theodore Pettit, Mrs. James Ritchie, Mrs. Richard Ritzman, Richard Ritzman, George Rose, Richard Ryan, Walter Sedwitz, Mr. and Mrs. Richard Sloss, Edward Stabler, Miss E. Stevens, Miss Hazel Sullivan, Mr. and Mrs. Edwin Way Teale, Allan Van Sant, Mrs. Joseph Weiler, Max Weyl, Edward Whelen.

58. Western Long Island, N. Y. (15-mile circle; Flushing Bay to North Hills, Whitestone to Atlantic Beach; suburban New York City 30%, Atlantic Ocean coast 5%, coastal marshes 15%, fresh water 5%, deciduous woods 10%, evergreen woods 5%, open woods 30%).—Dec. 30; 5:30 a.m. to 5:30 p.m. Foggy in morning, clear after 11:00; temp. 33° to 47°; calm, to gentle NW wind late in day; ponds, tidal marshes and inlets frozen, light snow on ground. Thirty observers in 11 parties. Total party-hours, 96 (90 on foot, 6 by car); total party-miles, 180 (95 on foot, 85 by car). Common Loon, 8; Red-throated Loon, 9; Horned Grebe, 5; Pied-billed Grebe, 4; Great Blue Heron, 5; Black-crowned Night Heron, 39; Mute Swan, 6; Canada Goose, 22; Mallard, 169 (150 est., 19); Black Duck, 3462 (3420 est., 42); Gadwall, 8; European Widgeon, 2; Am. Widgeon, 355 (300 est., 55); Pintail, 40; Green-winged Teal, 111; Shoveller, 20; Redhead, 1; Canvasback, 1730; Greater Scaup, 7539 (7520, 39); Lesser Scaup, 4; Am. Golden-eye, 320; Bufflehead, 217 (200 est., 17); Old-squaw, 1; White-winged Scoter, 6; Ruddy Duck, 9; Hooded Merganser, 26; Am. Merganser, 10; Red-breasted Merganser, 138; Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 8; Sparrow Hawk, 21; Ring-necked Pheasant, 11; King Rail, 1; Clapper Rail, 19; Am. Coot, 26; Killdeer, 32; Black-bellied Plover, 3; Wilson's Snipe, 4; Greater Yellow-legs, 1; Purple Sandpiper, 80; Red-backed Sandpiper, 50; Sanderling, 15; Great Black-backed Gull, 199; Herring Gull, 15,800 (est.); Ring-billed Gull, 76; Bonaparte's Gull, 14; Mourning Dove, 38; Barn Owl, 3; Screech Owl, 10; Snowy Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 11; Hairy Woodpecker, 4; Downy Woodpecker, 60; Horned Lark, 213; Blue Jay, 79; Am. Crow, 348; Fish Crow, 1; Black-capped Chickadee, 151; White-breasted Nuthatch, 24; Brown Creeper, 16; Winter Wren, 4; Long-billed Marsh Wren, 6; Catbird, 5; Brown Thrasher, 2; Am. Robin, 25; Hermit Thrush, 1; Eastern Bluebird, 2; Golden-crowned Kinglet, 17; Cedar Waxwing, 35; Common Starling, 1400 (est.); Myrtle Warbler, 141; House Sparrow, 527 (400 est., 127); Eastern Meadowlark, 12; Red-winged Blackbird, 271; Purple Grackle, 36; Brown-headed Cowbird, 10; Cardinal, 3; Purple Finch, 3; Pine Siskin, 10; Am. Goldfinch, 39; Eastern Towhee, 5; Ipswich Sparrow, 1; Savannah Sparrow, 10; Sharp-tailed Sparrow, 2; Seaside Sparrow, 5; Vesper Sparrow, 7; Slate-colored Junco, 328; Am. Tree Sparrow, 580 (410 est., 170); Field Sparrow, 70 (50 est., 20); White-throated Sparrow, 382 (130 est., 252); Fox Sparrow, 5; Swamp Sparrow, 55; Song Sparrow, 335 (230 est., 105); Lapland Longspur, 4; Snow Bunting, 60. **Total,** 101 species (1 additional subspecies); 36,005 individuals.—Richard H. Adelson, E. M. Astle, William O. Astle, Bennett Barton, Walter Bock, Herman L. Bohn, John Bull, Orville M. Dunning, Eugene Eisenmann, Michael Fitzgerald, John W. Flavin, Jr., Leonard J. Garland, Herman Goebel (compiler), T. Wilson Henebry, Richard Koeppel, Edwin Kirchmeier. George Komorowski, Allen Larrabee, William Larrabee, William Lidicker, John H. Mayer, William W. Reid, George C. Rose, George A. Scheffel, Arthur Skopec, Frank B. Smithe, F. Norton Smithe, Jack Wells, Charles F. Wright, Sam Yeaton (Queens County Bird Club).

59. Bear Mountain-Harriman State Park, N. Y. (Bear Mt. south to Jones' Point and west to Route 17; deciduous woods 40%, coniferous woods 10%, open fields 15%, swamps 20%, river 15%).—Dec. 27; 7:30 a.m. to 4:45 p.m. Clear; temp. 5° to 15°; wind NW, 5-15 m.p.h.; ground covered with 4-10-in. snow, all lakes frozen. Five observers in 3 parties. Total party-hours, 28 (20 on foot, 8 by car); total party-miles, 110 (20 on foot, 90 by car). Canada Goose, 12; Black Duck, 36; Greater Scaup, 2; Am. Merganser, 182; Red-breasted Merganser, 5; Sharp-shinned Hawk, 1; Bald Eagle, 1; Peregrine Falcon, 2; Pigeon Hawk, 1 (no details—Ed.); Great Black-backed Gull, 2; Herring Gull, 87; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 27; Blue Jay, 8; Am. Crow, 7; Black-capped Chickadee, 138; White-breasted Nuthatch, 12; Brown Creeper, 10; Winter Wren, 3; Am. Robin, 2; Golden-crowned Kinglet, 3; Common Starling, 57; House Sparrow, 37; Red-winged Blackbird, 1; Brown-headed Cowbird, 1; Cardinal, 3; Purple Finch, 1; Am. Goldfinch, 18; Slate-colored Junco, 74; Am. Tree Sparrow, 54; Swamp Sparrow, 1; Song Sparrow, 5. **Total,** 34 species; 803 individuals.—E. Brown, J. Kenney, M. Sickels, P. Smith, J. Orth.

60. Bronx-Westchester Region, N. Y. (northern Bronx and southern Westchester Counties as in previous years).—Dec. 23; 7 a.m. to 5 p.m. Clear; temp. 31° to 43°; wind W to SW, 5 m.p.h.; patches of snow on ground; fresh water frozen. Twenty-seven observers in 7 parties. Total party-hours, 84 (58 on foot, 20 by car, 6 by boat); total party-miles, 71 (45 on foot, 18 by car, 8 by boat). Common Loon, 7; Red-throated Loon, 8; Horned Grebe, 4; Pied-billed Grebe, 4; European Cormorant, 8; cormorant sp., 24; Great Blue Heron, 20; Black-crowned Night Heron, 43; Canada Goose, 52; Blue Goose, 1 (immature well seen by C.H., R.L., A.M. and checked by many observers next day; observed in Pelham Bay area;

new to count and area); Mallard, 435; Black Duck, 2300; Am. Widgeon, 14; Pintail, 6; Green-winged Teal, 5; Wood Duck, 1; Canvas-back, 500; Greater Scaup, 4700; Lesser Scaup, 1; Am. Golden-eye, 500; Buffle-head, 37; Old-squaw, 10; White-winged Scoter, 135; Surf Scoter, 10; Am. Scoter, 4; Ruddy Duck, 35; Hooded Merganser, 34; Am. Merganser, 160; Red-breasted Merganser, 140; Cooper's Hawk, 3; Red-tailed Hawk, 15; Red-shouldered Hawk, 7; Peregrine Falcon, 1; Sparrow Hawk, 8; Ring-necked Pheasant, 22; Virginia Rail, 1; Am. Coot, 1; Killdeer, 51; Purple Sandpiper, 6; Sanderling, 9; Great Black-backed Gull, 67; Herring Gull, 13,200; Ring-billed Gull, 55; Laughing Gull, 10; Bonaparte's Gull, 19; Mourning Dove, 2; Barn Owl, 1; Screech Owl, 1; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 10; Yellow-shafted Flicker, 13; Hairy Woodpecker, 18; Downy Woodpecker, 51; Horned Lark, 1; Blue Jay, 56; Am. Crow, 140; Black-capped Chickadee, 51; White-breasted Nuthatch, 28; Brown Creeper, 9; Winter Wren, 5; Carolina Wren, 1; Long-billed Marsh Wren, 2; Catbird, 1; Eastern Bluebird, 18; Golden-crowned Kinglet, 16; Ruby-crowned Kinglet, 2; Water Pipit, 36; Common Starling, 3500; Myrtle Warbler, 45; Pine Warbler, 1 (new to count; present in area for several weeks and seen by many observers); House Sparrow, 370; Eastern Meadowlark, 14; Red-winged Blackbird, 4; Purple Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 7; Purple Finch, 2; Pine Siskin, 2; Am. Goldfinch, 100; Eastern Towhee, 2; Savannah Sparrow, 2; Slate-colored Junco, 640; Am. Tree Sparrow, 570; Chipping Sparrow, 1; Field Sparrow, 42; White-throated Sparrow, 135; Fox Sparrow, 23; Swamp Sparrow, 8; Song Sparrow, 310. **Total,** 89 species; approx. 28,917 individuals.—N. Boyajian, J. Bull, I. Cantor, H. Darrow, E. Eisenmann, W. Ephraim, W. Feigin, R. Gershon, H. Goebel, C. Heller, R. Herbert, J. Kieran, G. Komorowski, R. Lehrman, A. Milch, W. Norse, J. Orenstein, Mr. and Mrs. J. Philips, M. Russak, R. Ryan, W. Sedwitz, W. Solomon, J. Stegle, L. Walsh, I. Werner, R. Wolk.

61. Buffalo, N. Y. (centering on Grand Island; including Niagara River and adjacent areas; open farmland 40%, deciduous woods 20%, parks 5%, Niagara River and Buffalo Harbor 20%, cattail marshes 3%, city, suburban, and industrial areas 12%).—Dec. 24; 6:30 a.m. to 5 p.m. Overcast, snow flurries; temp. 36° to 22°; wind SW to W, 15-30 m.p.h.; 3-8-in. old snow, ponds frozen including Burntship Creek. Thirty-eight observers in 14 parties. Total party-hours, 89; total party-miles, 573 (76 on foot, 497 by car). Common Loon, 5; Red-necked Grebe, 1; Horned Grebe, 28; Pied-billed Grebe, 1; Great Blue Heron, 4; Black-crowned Night Heron, 1; Mallard, 247; Black Duck, 604; Gadwall, 6; Am. Widgeon, 2; Pintail, 16; Redhead, 7; Canvas-back, 4072; Greater Scaup, 971; Lesser Scaup, 2; Am. Golden-eye, 1787; Buffle-head, 35; Old-squaw, 222; White-winged Scoter, 2; Am. Scoter, 1; Ruddy Duck, 2; Hooded Merganser, 4; Am. Merganser, 336; Red-breasted Merganser, 249; Sharp-shinned Hawk, 3; Red-tailed Hawk, 16; Rough-legged Hawk, 6; Bald Eagle, 3; Marsh Hawk, 7; Sparrow Hawk, 59; Ruffed Grouse, 2; Ring-necked Pheasant, 213; Glaucous Gull, 3; Iceland Gull, 2; Great Black-backed Gull, 34; Herring Gull, 5445; Ring-billed Gull, 445; Little Gull, 2; Bonaparte's Gull, 3267; Mourning Dove, 3; Screech Owl, 9; Horned Owl, 6; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Hairy Woodpecker, 4; Downy Woodpecker, 44; Horned Lark (Northern), 6; Blue Jay, 55; Am. Crow, 490; Black-capped Chickadee, 53; White-breasted Nuthatch, 16; Brown Creeper, 32; Winter Wren, 2; Hermit Thrush, 1; Golden-crowned Kinglet, 21; Common Starling, 3520; House Sparrow, 1409; Eastern Meadowlark, 9; Red-winged Blackbird, 12; Brown-headed Cowbird, 2; Cardinal, 13; Purple Finch, 8; Pine Siskin, 2; Am. Goldfinch, 3; Eastern Towhee, 2; Slate-colored Junco, 31; Am. Tree Sparrow, 357; Swamp Sparrow, 1; Song Sparrow, 7; Snow Bunting, 2. **Total,** 71 species; about 24,240 individuals. (Seen in area within period: Ring-necked Duck, Long-eared Owl, Robin.)—W. H. Almendinger, R. Andrle, H. Axtell, R. Axtell, A. Broadbent, W. W. Brockner, R. Byron, R. Dooley, M. L. Emerson, J. Filor, A. Heilborn, E. Heilborn, J. Heilborn, K. Heilborn, Mr. and Mrs. H. C. Hermes, A. Kemnitzer, H. Kevitt, C. Klabunde, P. Klabunde, W. Klabunde, H. D. Mitchell, B. Nathan, D. Pause, W. M. Rogerson, R. Rosche, J. Savage, A. Schaffner, Mr. and Mrs. E. L. Seeber, H. G. Thorpe, A. V. Tulinoff, W. C. Vaughan, R. Wagner, M. Wendling, M. A. Wendling, E. J. Windsor, 1; Woldman (Buffalo Ornith. Society).

62. Cooperstown, N. Y. (same area as last year, a triangle from Cooperstown to E. Springfield to Richfield Springs and back; fresh water 22%, coniferous woods 10%, deciduous woods 28%, active farms 15% and deserted farms and pasture 25%). —Dec. 24; 5:30 a.m. to 4:30 p.m. Cloudy, snow flurries and rain; temp. 30° to 35°; wind SE, 15-20 m.p.h.; 4-in. snow, all water except L. Otsego frozen. Six observers in 2 parties. Total party-hours, 20 (8 on foot, 12 by car); total party-miles, 50 (5 on foot, 45 by car). Common Loon, 2; Horned Grebe, 2; Mallard, 1; Black Duck, 6; Canvas-back, 13; Greater Scaup, 42; Am. Golden-eye, 101; Hooded Merganser, 3; Am. Merganser, 162; Sparrow Hawk, 1; Ruffed Grouse, 1; Herring Gull, 4; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 1; Downy Woodpecker, 6; Blue Jay, 33; Am. Crow, 10; Black-capped Chickadee, 23; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 2; Brown Creeper, 7; Am. Robin, 2; Golden-crowned Kinglet, 1; Common Starling, 39; House Sparrow, 10; Purple Finch, 8; Common Redpoll, 50; Am. Goldfinch, 40; Slate-colored Junco, 17; Am. Tree Sparrow, 2; Song Sparrow, 1. **Total,** 32 species; 596 individuals.—E. E. French, Dr. & Mrs. Norman P. Hill (compilers), Dr. and Mrs. A. J. McAdams, C. S. Petty.

63. Corinth, N. Y. (Jenny Lake and environs, 1180 feet elevation in Adirondack State Park; mixed deciduous and evergreen woods, minimum of open land).—Dec. 23; 8 a.m. to 3 p.m. Partly cloudy; temp. 20° to 25°; no wind; 8-in. snow, lake and streams frozen. One observer. Total hours, 7 (on foot); total miles, 3 (on foot). Ruffed Grouse, 3; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 1; Am. Crow, 1; Black-capped Chickadee, 8; Red-breasted Nuthatch, 5; Brown Creeper, 1; Golden-crowned Kinglet, 1; Pine Siskin, 150; Am. Goldfinch, 3; Red Crossbill, 7; Slate-colored Junco, 7. **Total,** 13 species; 190 individuals.—Barrington S. Havens.

64. Cortland, N. Y. (Tioughnioga River, south end of Skaneateles Lake, Gracie Swamp, and waterworks; lake 8%, brushy stream-borders 33%, cultivated farmland 25%, coniferous woods 7%, mixed woods 27%).—Dec. 31; 8 a.m. to 6 p.m. Cloudy with frequent snow flurries; temp. 26° to 30°; wind W to N, 0-7 m.p.h.; 11-in. snow on ground; streams full, waters open. Two observers in 2 parties. Total party-hours, 15 (12 on foot, 3 by car); total party-miles, 60 (11 on foot, 49 by car). Horned Grebe, 1; Great Blue Heron, 2; Mallard, 4; Black Duck, 8; Wood Duck, 1; Greater Scaup, 1; Lesser Scaup, 1; Am. Golden-eye, 58; **Surf Scoter,** 1 (well seen; first winter record for Cortland Co.—H.H.A.); Am. Merganser, 17; Sparrow Hawk, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 9; Herring Gull, 76; Screech Owl, 1; Horned Owl, 1; **Belted Kingfisher,** 3; Pileated Woodpecker, 1; Downy Woodpecker, 7; Blue Jay, 23; Am. Crow, 45; Black-capped Chickadee, 63; White-breasted Nuthatch, 11; Brown Creeper, 2; Winter Wren, 1; Golden-crowned Kinglet, 9; Common Starling, 227; House Sparrow, 261; **Eastern Meadowlark,** 6; **Rusty Blackbird,** 1 (imm. seen at 75-100 ft. for 5 min.—H.H.A.); Purple Grackle, 1; Purple Finch, 1; **White-winged Crossbill,** 1; Slate-colored Junco, 4; Am. Tree Sparrow, 42; **White-throated Sparrow,** 4; **Swamp Sparrow,** 3; **Song Sparrow,** 24; Snow Bunting, 26. **Total,** 39 species; 952 individuals.—Harold H. Axtell, Rachel C. Axtell.

65. Croton Point, N. Y. (circle 2 miles in diam., consisting mostly of Croton Pt. Park; area same as last 4 years; woods 50%, cattail marshes 30%, shore 15%, fields 5%).—Dec. 23; 6:50 a.m. to 5 p.m. Fair; temp. 30° to 40°; wind NW, 5 m.p.h.; 1-in. fresh snow on ground; mouth of Croton R. one-half frozen, Hudson ice-free. Five observers in 1 party. Total party-hours, 10 (9½ on foot, ½ by car); total party-miles, 14 (10 on foot, 4 by car). Mallard, 7; Black Duck, 175; Am. Golden-eye, 20; Ruddy Duck, 115; Am. Merganser, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Bald Eagle, 3; Marsh Hawk, 1; Ring-necked Pheasant, 1; Iceland Gull, 1 (on garbage dump); Great Black-backed Gull, 5; Herring Gull, 1100 (±100); Barred Owl, 1; Saw-whet Owl, 1 (captured); Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 3; Am. Crow, 20; Black-capped Chickadee, 10; White-breasted Nuthatch, 4; Brown Creeper, 3; Winter Wren, 1; Catbird, 1; Am. Robin, 2; Hermit Thrush, 3; Golden-crowned Kinglet, 3; Common Starling, 500 (±50); House Sparrow, 60; Cardinal, 1; Am. Goldfinch, 10; Savannah Sparrow, 2; Slate-colored Junco, 13; Am. Tree Sparrow, 8; White-throated Sparrow, 12; Swamp Sparrow, 2; Song Sparrow, 22. **Total,** 39 species; about 2130 individuals. Recent tracks of Great Blue Heron seen in mud along shore.—Richard B. Fischer, Malcolm S. Gordon, Charles Jacob, William Z. Lidicker, Duncan R. MacKenzie.

66. Elmira, N. Y. (7½-mile radius centering on east side of Eagle Airport, including Chemung River as far as Big Island; Stanley Woods, Harris Hill, Big Flats, Catlin, 7-Acre Pond, Sullivanville, Breeseport, North Chemung, area east of Lowman Road; wooded river borders 15%, brushy and open river borders 11%, upland deciduous forest 5%, upland coniferous forest 5%, upland mixed forest 25%, upland open fields 14%, upland brushy pastures 10%, creek borders 10%, town suburbs 5%).—Jan. 1; 7:30 a.m. to 4:30 p.m. Ground covered with about 8-in. snow, the top 2 in. soft, about 3 days old; parts of river frozen; most of swifter parts of smaller streams open. Twenty-three observers in 8 parties. Total party-hours, 46 (26 on foot, 20 by car); total party-miles, 262½ (26½ on foot, 236 by car). Mallard, 2; Black Duck, 11; Am. Merganser, 1; Red-tailed Hawk, 2; Sparrow Hawk, 11; Ruffed Grouse, 5; Ring-necked Pheasant, 14; Herring Gull, 35; Mourning Dove, 11; Yellow-shafted Flicker, 10; Hairy Woodpecker, 10; Downy Woodpecker, 28; Blue Jay, 93; Am. Crow, 138; Black-capped Chickadee, 57; Tufted Titmouse, 2; White-breasted Nuthatch, 25; Brown Creeper, 1; **Am. Robin,** 17; Golden-crowned Kinglet, 5; Cedar Waxwing, 12; Common Starling, 297; House Sparrow, 755; Eastern Meadowlark, 6; Brown-headed Cowbird, 1; Cardinal, 16; Evening Grosbeak, 1; Purple Finch, 14; Pine Siskin, 20; Am. Goldfinch, 66; Slate-colored Junco, 70; Am. Tree Sparrow, 209; Field Sparrow, 1; White-throated Sparrow, 1; Song Sparrow, 26. **Total,** 35 species; 1973 individuals.—Dick Andrus, Elizabeth Burr, Marguerite Campbell, Dick Carlson, Maude Embler, Albert Fudge, Benjamin Klauser, Hazel Klauser, Mary Lawrence, Otis Lawrence, Bernice MacDougall, Carland Mann, Hazel Mann, Kenneth Mann, Marie Personius, Robert Personius, William Personius, Nina Roemmelt, Helen Samson, Charles Schott, Mary Welles (compiler), Matt Welles, Olive York (Chemung Valley Audubon Society).

67. Fort Plain, N. Y. (Mohawk River, valleys of Oak, Eisenlord, Otsquene, Otstungo and Otsquago creeks; mixed deciduous and coniferous woods 35%, river swamps and flats 40%, open farm land 25%).—Dec. 31; 7:30 a.m. to 5:30

p.m. Overcast, clearing by late afternoon; temp. 26° to 29°; wind NW, calm in a.m., 20 m.p.h. in p.m.; 12-in. snow; river open, creeks frozen. One observer. Total hours, 10; total miles, 15 (on snow shoes). Black Duck, 5; Am. Merganser, 2; Goshawk, 2; Ruffed Grouse, 3; Ring-necked Pheasant, 18; Herring Gull, 6; Horned Owl, 3; Hairy Woodpecker, 3; Downy Woodpecker, 6; Horned Lark, 4; Blue Jay, 4; Am. Crow, 14; Black-capped Chickadee, 16; White-breasted Nuthatch, 4; Brown Creeper, 4; Am. Robin, 11; Common Starling, 148; House Sparrow, 216; Pine Siskin, 11; Am. Goldfinch, 5; Slate-colored Junco, 10; Am. Tree Sparrow, 33; Snow Bunting, 40. **Total,** 23 species; 568 individuals. (Seen in area Dec. 28: Yellow-shafted Flicker, 1; Jan. 1: Purple Finch, 2.)—Douglas Ayres, Jr.

68. Geneva, N. Y. (area bounded by Junius on north, west side of Cayuga Lake on east, Kashong on south, and Pre-Emption road on west; open farm land 50%, town suburbs 10%, mixed woods 25%, lake 15%).—Dec. 31; 8:30 a.m. to 4:30 p.m. Cloudy in a.m., clearing in p.m.; temp. 30° to 38°; wind W, 10 m.p.h.; ground covered with snow; water frozen except Seneca Lake. Fourteen observers in 6 parties. Total party-hours, 10 (3½ on foot, 6½ by car); total party-miles, 59 (5 on foot, 54 by car). Horned Grebe, 10; Black Duck, 102; Ring-necked Duck, 5000 (est.); Canvas-back, 1; Greater Scaup, 4800 (est.); Lesser Scaup, 200; Am. Golden-eye, 95; Buffle-head, 20; Ruddy Duck, 1; Am. Merganser, 42; Red-breasted Merganser, 2; Sparrow Hawk, 5; Ring-necked Pheasant, 14; Am. Coot, 50; Great Black-backed Gull, 5; Herring Gull, 43; Ring-billed Gull, 3; Mourning Dove, 20; Downy Woodpecker, 13; Horned Lark (Prairie), 25; Blue Jay, 5; Am. Crow, 360; Black-capped Chickadee, 34; White-breasted Nuthatch, 8; Brown Creeper, 4; Golden-crowned Kinglet, 4; Cedar Waxwing, 12; Common Starling, 158; House Sparrow, 289; Eastern Meadowlark, 1; Cardinal, 13; Purple Finch, 13; Am. Goldfinch, 6; Slate-colored Junco, 13; Am. Tree Sparrow, 24. **Total,** 36 species; 11,396 individuals. (Seen in area on Jan. 1: flock of 500 Snow Buntings.)—F. Z. Hartzell, John Wellington, Lansing S. Hoskins, Jr., Guion Roland, Leora M. Dryer, Ethel Murden, Mrs. R. H. Poole, Mrs. W. P. Wheeler, C. Sealey Peck, G. E. R. Hervey, Dr. and Mrs. Paul Chapman, Lucile Holtby, Jason Walker (Eaton Bird Club).

69. Hamburg, Orchard Park, East Aurora, N. Y. (7½-mile radius centering on Chestnut Ridge Park and including Emery Park; open farmland 60%, public parks 10%, suburban area 5%, deciduous woods 15%, cattail marsh 1%, evergreen woods 4%, small ponds and 1 mile Lake Erie shore 5%).—Jan. 1; 7:30 a.m. to 5 p.m.; Clear; temp. 25° to 35°; calm; ground covered with 2-3 ft. of snow, all lakes frozen. Forty-six observers in 19 parties. Total party-hours, 348 (26 on foot, 322 by car); total party-miles, 847 (71 on foot, 776 by car). Am. Golden-eye, 1; Red-tailed Hawk, 1; Sparrow Hawk, 13; Ruffed Grouse, 2; Ring-necked Pheasant, 404; Herring Gull, 58; Ring-billed Gull, 5; Mourning Dove, 3; Screech Owl, 2; Horned Owl, 2; Snowy Owl, 1; Short-eared Owl, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 50; Blue Jay, 104; Am. Crow, 156; Black-capped Chickadee, 151; White-breasted Nuthatch, 18; Brown Creeper, 39; Winter Wren, 4; Am. Robin, 3; Golden-crowned Kinglet, 41; Common Starling, 1760; House Sparrow, 1484; Purple Grackle, 2; Cardinal, 12; Pine Siskin, 83; Am. Goldfinch, 108; Slate-colored Junco, 70; Am. Tree Sparrow, 169; White-throated Sparrow, 5; Song Sparrow, 20; Lapland Longspur, 1; Snow Bunting, 80. **Total,** 37 species; 4867 individuals.—William Almendinger, Mr. and Mrs. Charles W. Avery, Jr., Mrs. John E. Bacon, James Braunberns, Mr. and Mrs. Arthur C. Brettle, Richard Byron, Mrs. A. Broadbent, Mr. and Mrs. William Burch, Mrs. Sydney F. Brown, Dorothy Corbett, Mrs. James A. Creighton, William Dugan, Dr. and Mrs. Karl Eschelman, William Fleming, Donald R. Frederick, Mr. and Mrs. R. G. Griffin and David, Hart Kivett, Mr. and Mrs. William H. McShane, Mrs. LeRoy C. Melberg, Harold D. Mitchell, Bernard Nathan, Donald Nelson, Ronald Nelson, Frances G. Rew, Frances M. Rew, Richard Rosche, Arthur Schaffner, Edward Seeber, Francis Tilley, Mr. and Mrs. Edward Ulrich, Alfred D. Wander, David Wasson, Gertrude Webster, William Wild, George Winter, Irving Woldman, Cyril Wolfling, A. J. Wright, II (Buffalo Audubon Society).

70. Jamestown, N. Y. (center of town, north to Gerry, south to Riverside, east to Poland, west to Ashville; deciduous woods 18%, coniferous woods 17%, mixed woods 17%, swamp land 4%, fields 20%, streams and rivers 7%, marshes 5%, city suburbs 12%).—Dec. 23; 7 a.m. to 6:30 p.m. Overcast; temp. 27° to 35°; wind SW, 5-15 m.p.h.; 6-18 in. of snow; all water frozen except large rivers. Eleven observers in 3 parties. Total party-hours, 24½ (19 on foot, 5½ by car); total party-miles, 64½ (20½ on foot, 44 by car). Pied-billed Grebe, 1 (observed at close range in Cassadaga Creek—C.B., R.S.); Black Duck, 12; Green-winged Teal, 1 (first census record, second winter record—C.B., R.S.); Am. Golden-eye, 18; Am. Merganser, 9; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 8; Ring-necked Pheasant, 14; **Killdeer,** 3 (seen and heard in open field—C.B., R.S.); **Glaucous Gull,** 1 (seen with 400 Herring Gulls feeding on garbage; very unusual this far inland—C.B., R.S.); Herring Gull, 450 (est.); **Mourning Dove,** 2 (unusual away from Lake Erie shore—C.B., R.S.); **Horned Owl,** 3; Belted Kingfisher, 2; Hairy Woodpecker, 7; Downy Woodpecker, 16; Blue Jay, 10; Am. Crow, 28; Black-capped Chickadee, 70; White-breasted Nuthatch, 29; Brown Creeper, 14; Winter Wren, 2; **Brown Thrasher,** 1 (seen at close range in thorn thicket

where it was seen previous to census—P.L., J.B.); Am. Robin, 1; Golden-crowned Kinglet, 34; Cedar Waxwing, 8; Common Starling, 2200 (est.); Myrtle Warbler, 1; House Sparrow, 125; Red-winged Blackbird, 1; **Baltimore Oriole,** 1 (adult male seen at close range at feeding station where it had been coming for 4 days previous to census and where it was seen and verified by P.L. on Dec. 22; a phenomenal record—Mrs. P.O.); Cardinal, 6; **Purple Finch,** 1 (first winter record); Common Redpoll, 1; Pine Siskin, 5; **Am. Goldfinch,** 140; **Eastern Towhee,** 1 (adult male seen at close range; first winter record—R.O.); Slate-colored Junco, 21; **Oregon Junco,** 1 (adult female seen at close range with 7 x 35 binoculars—brown back, pink sides, gray head, distinct and contrasting all the way around; same bird had been wintering for month previous to census; observer previously familiar with species—P.L.); Am. Tree Sparrow, 100; **Field Sparrow,** 1 (seen at close range with flock of Tree Sparrows; pink bill and clear breast noted; first winter record—P.L., D.P., J.B.); White-throated Sparrow, 1; **Song Sparrow,** 18. **Total,** 46 species; about 3374 individuals. (Seen in area, during census period; Bald Eagle, 1; Wilson's Snipe, 1; Yellow-shafted Flicker, 1; Rusty Blackbird, 1; Red-breasted Nuthatch, 1; Pileated Woodpecker, 1.) This count is completely unprecedented in number of species, individuals, and rarities.—John Barkie, Clarence Beal, Richard Jurkowski, Raymond Klingberg, Philip Lenna, Mrs. Paul Ogren, Robert Olson, Claude Parker, Donald Powers, Paul Nelson, Roger Sundell.

71. Keuka Park, N. Y. (northern part of Keuka Lake; Penn Yan to Dresden on Seneca Lake; Branchport, west branch of Keuka Lake; south two miles to "Chasm Lodge," Guyanoga Valley; "Friend-Potter" Woods; Pinnacle Hill and adjoining woods; Keuka College wood-lot; cedar grove). —Jan. 1; 7:30 a.m. to 5:30 p.m. Clear; temp. 18° to 35°; wind S, 0-10 m.p.h. Eleven observers in 5 parties. Total party-hours, 42 (23 on foot, 19 by car); total party-miles, 198 (43 on foot; 155 by car). Horned Grebe, 35; Mallard, 2; Black Duck, 126; Am. Widgeon, 1; Redhead, 1550; Ring-necked Duck, 5; Canvas-back, 160; Greater Scaup, 183; Lesser Scaup, 3; Am. Golden-eye, 102; Buffle-head, 3; Old-squaw, 4; Hooded Merganser, 2; Am. Merganser, 16; Red-breasted Merganser, 10; Cooper's Hawk, 2; Red-tailed Hawk, 2; Rough-legged Hawk, 2; Sparrow Hawk, 4; Ruffed Grouse, 2; Ring-necked Pheasant, 7; Am. Coot, 16; Killdeer, 1; Sandpiper, 1 [reported as Pectoral, but no substantiating details received—Ed.]; Great Black-backed Gull, 1; Herring Gull, 253; Ring-billed Gull, 21; Mourning Dove, 6; Horned Owl, 2; Snowy Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Hairy Woodpecker, 10; Downy Woodpecker, 20; Blue Jay, 18; Am. Crow, 68; Black-capped Chickadee, 66; White-breasted Nuthatch, 14; Brown Creeper, 5; Am. Robin, 2; Golden-crowned Kinglet, 16; Cedar Waxwing, 18; Gray Shrike, 1; Common Starling, 452; Pine Warbler, 1; House Sparrow, 280; Eastern Meadowlark, 3; Cardinal, 4; Purple Finch, 53; Am. Goldfinch, 136; Slate-colored Junco, 6; Am. Tree Sparrow, 91; White-throated Sparrow, 5; Song Sparrow, 12. **Total,** 54 species; about 3810 individuals. —Ed. Bingham, Mabel Bingham, Frank Guthrie (compiler), Robert Guthrie, Carl Lerch, Isora Lerch, Malcolm Lerch, Elaine Orcutt, Francis Orcutt, Charles Spiker, Vireo Whittaker (Keuka Park Conservation Club).

72. Kingston-Lake Mohonk-Ashokan Reservoir Triangle (7½-mile radius, Kingston house yards, quarries, Lomontville, Cripplebush, foothills, farm, woods, shore, Mohonk mountain top to New Paltz; woods 40%, cleared land and hedgerows 30%, quarries 5%, house yards 15%, lake shores 10%).—Dec. 31; 7 a.m. to 5 p.m.; temp. 28° to 35°; wind W, 0-10 m.p.h.; 4 to 9-in. crusted snow, all vegetation glazed. Nine observers in 5 parties. Total party-hours, 40½ (37 on foot, 3½ by car, one observation from a window); total party-miles, 66 (14 on foot, 52 by car). Black Duck, 13; Ruffed Grouse, 13; Herring Gull, 17; Mourning Dove, 10; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 11; Blue Jay, 26; Am. Crow, 68; Black-capped Chickadee, 37; White-breasted Nuthatch, 7; Brown Creeper, 1; Am. Robin, 487 (300 est., 187); Hermit Thrush, 1; Eastern Bluebird, 2; Golden-crowned Kinglet, 8; Cedar Waxwing, 45; Common Starling, 2148 (2000 est., 148); House Sparrow, 80; Cardinal, 1; Purple Finch, 77; Am. Goldfinch, 49; Slate-colored Junco, 440 (300 est., 140); Am. Tree Sparrow, 16; White-throated Sparrow, 3; Song Sparrow, 3. **Total,** 27 species; about 3983 individuals.—Dr. and Mrs. A. M. Cragin, H. F. Dunbar, I. K. Dunbar (compiler), Fred Hough, Wm. J. Jahoda, Robert Pyle, Daniel Smiley, Jr., R. Van Valkenburgh (John Burroughs National History Society of Ulster Co.).

73. Manhattan, N. Y. (same area as last year except for 125 St. Ferry and parks below 59th St. which were not done; city parks 56%, sheltered salt water 28%, deciduous woodland 10%, fresh water 4%, city streets 2%).—Dec. 31; 7 a.m. to 5 p.m. Rain early, clearing; temp. 32° to 37°; wind WNW, 2-15 m.p.h.; ground and fresh water except reservoir frozen, some snow. Twelve observers in 6 parties. Total party-hours, 46 (34½ on foot, 11 by boat, ½ by bus); total party-miles, 101 (47 on foot, 48 by boat, 6 by bus). Horned Grebe, 1; Mallard, 56; Black Duck, 498; Am. Widgeon, 1; Canvas-back, 2 (R.R.); Greater Scaup, 2974 (2500 est., 474); Lesser Scaup, 1 (short wing stripe noted and direct size comparison—R.H., G.D., E.F.); Am. Golden-eye, 53; White-winged Scoter, 2; Am. Scoter, 3; Ruddy Duck, 2; Am. Merganser, 59; Red-breasted Merganser, 2; Red-tailed Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 11; Ring-necked Pheasant, 10; Am. Coot, 1; Great Black-backed Gull, 39; Herring Gull,

1830; Ring-billed Gull, 67; Black-headed Gull, 1 (fourth straight year—R.R.); Laughing Gull, 2; Bonaparte's Gull, 51; Hairy Woodpecker, 2; Downy Woodpecker, 17; Blue Jay, 16; Am. Crow, 2; Black-capped Chickadee, 1; White-breasted Nuthatch, 8; Brown Creeper, 3; Am. Robin, 3; Cedar Waxwing, 30; Common Starling, 80,000; House Sparrow, 503; Red-winged Blackbird, 14; Rusty Blackbird, 3; Purple Grackle, 10; Brown-headed Cowbird, 3; Cardinal, 1; Purple Finch, 7; Pine Siskin, 7; Am. Goldfinch, 2; Slate-colored Junco, 85; Am. Tree Sparrow, 16; White-throated Sparrow, 63; Song Sparrow, 46; Snow Bunting, 1 (H.G., P.M., P.M., P.K.). **Total,** 48 species; about 86,511 individuals. (Seen in area shortly before count: Green-winged Teal, Screech Owl, Hermit Thrush, Chipping Sparrow.)—Ned Boyajian, George Dock, Ezra Feinberg, Herman Goebel, Richard Harrison, Daniel Heller, Peter Katsaros, Paul Mandell, Paulina Messing, Robert Merkel, Richard Ryan, John Tiffany.

74. Monticello, N. Y. (7½-mile radius centering on a point on Neversink River, 3.7 miles south of Bridgeville bridge; feeders 5%, brushy hillsides 8%, river borders 10%, village area 12%, open fields 20%, mixed deciduous and coniferous woods 45%).—Dec. 28; 7 a.m. to 4:30 p.m. Clear; temp. -12° to 26°; wind W, 4-12 m.p.h.; 8-in. snow; all water except river frozen. Four observers in 1 party. Total party-hours, 8½ (3 on foot, 5½ by car); total party-miles, 72½ (4½ on foot, 68 by car). Ruffed Grouse, 6; Pileated Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 2; Blue Jay, 31; Am. Crow, 2; Black-capped Chickadee, 12; White-breasted Nuthatch, 3; Cedar Waxwing, 12; Common Starling, 55; House Sparrow, 40; Purple Finch, 1; Am. Goldfinch, 11; Red Crossbill, 24; Slate-colored Junco, 59; Am. Tree Sparrow, 4. **Total,** 16 species; 267 individuals. (Seen in area Dec. 31: Ring-necked Pheasant, 7.) Five Ruffed Grouse were in an apple tree. All Red Crossbills were in one flock. The Crossbills were the first seen in area in many years. About 85% of our time was spent in Alleghanian Faunal Area of Transitional Zone at altitudes varying from 1060 feet to 1560 feet; balance in Carolinian Zone at altitudes ranging down to 531 feet.—William Crawford, Robert Borden, Norma Niven, Kenneth D. Niven (compiler).

75. Olean, N. Y. (7½-mile radius centering on Union and State Streets and including the Allegheny River from the Pennsylvania line to Vandalia, north to Hinsdale and south to Knapp Creek; cleared land in valley 35%, mixed coniferous deciduous forest 45%, stream border 20%).—Jan. 1; 8 a.m. to 5 p.m. Clear; temp. 22° to 34°; wind NW, 1-7 m.p.h.; snow 6-15-in.; Allegheny River mostly frozen, open water approx. 3 miles. Five observers in 5 parties. Total party-hours, 15 (11 on foot, 4 by car); total party-miles, 40 (8 on foot, 32 by car). Pied-billed Grebe, 1; Am. Golden-eye, 3 (2 females, 1 male); Am. Merganser, 3 (2 females, 1 male); Ruffed Grouse, 2; Ring-necked Pheasant, 3; Herring Gull, 4; Yellow-shafted Flicker, 3; Downy Woodpecker, 4; Blue Jay, 14; Am. Crow, 6; Black-capped Chickadee, 19; White-breasted Nuthatch, 6; Brown Creeper, 1; Am. Robin, 1; Cedar Waxwing, 50 (est.); Common Starling, 320 (est.); House Sparrow, 130 (est.); Red-winged Blackbird, 2; Purple Grackle (Bronzed), 1; Brown-headed Cowbird, 3; Cardinal, 2; Purple Finch, 2; Pine Siskin, 25; Am. Goldfinch, 35; Slate-colored Junco, 28; Am. Tree Sparrow, 100 (est.); White-throated Sparrow, 5; Song Sparrow, 11. **Total,** 28 species; 784 (est.) individuals. A shrike was seen, probably a Gray. (A Virginia Rail, found frozen in ice on Dec. 28 still alive; 1 Red-breasted Nuthatch, 2 Pileated Woodpeckers seen recently.)—S. W. Eaton, Vincent Malick, Fred Meyers, R. Smith, John Wonder.

76. Port Chester, N. Y. (extreme eastern Westchester County, Greenwich and Stamford, Conn., including Manursing Island, Rye and Kensico Lakes, Audubon Nature Center, etc.; open fields 10%, brush-grown fields 10%, town and suburbs 25%, deciduous woodlots 40%, coniferous woods 2%, cattail marsh 1%, Long Island Sound 12%).—Dec. 23; 5 a.m. to 5 p.m. Clear; temp. 22° to 40°; wind NW, very light; streams, ponds and lakes partly open. Twenty-six observers in 8 parties, including 8 observers at feeding stations. Total party-hours, 66½ (57½ on foot, 9 by car); total party-miles, 216 (53 on foot, 163 by car). Common Loon, 4; Red-throated Loon, 7; Horned Grebe 27; European Cormorant, 1; Great Blue Heron, 18; Black-crowned Night Heron, 1; Mute Swan, 4; Canada Goose, 60; Mallard, 201; Black Duck, 452; Ring-necked Duck, 117; Canvas-back, 5; Greater Scaup, 2350 (est.); Am. Golden-eye, 157; Buffle-head, 12; Old-squaw, 96; White-winged Scoter, 316; Ruddy Duck, 2; Hooded Merganser, 30; Am. Merganser, 328; Red-breasted Merganser, 26; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 4; Red-shouldered Hawk, 7; Sparrow Hawk, 2; Ring-necked Pheasant, 9; Killdeer, 60; Great Black-backed Gull, 10; Herring Gull, 4700 (est.); Ring-billed Gull, 22; Laughing Gull, 9; Mourning Dove, 60; Barn Owl, 2; Horned Owl, 2; Snowy Owl, 1; Barred Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 16; Pileated Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 47; Horned Lark (Prairie), 6; Blue Jay, 59; Am. Crow, 292; Fish Crow, 1; Black-capped Chickadee, 155; Tufted Titmouse, 2; White-breasted Nuthatch, 45; Brown Creeper, 13; Winter Wren, 4; Carolina Wren, 1; Am. Robin, 6; Hermit Thrush, 4; Eastern Bluebird, 36; Golden-crowned Kinglet, 36; Ruby-crowned Kinglet, 1; Cedar Waxwing, 27; Common Starling, 952; Myrtle Warbler, 63; House Sparrow, 452; Eastern Meadowlark, 35; Red-winged Blackbird, 300 (est.); Purple Grackle, 1; Brown-headed Cowbird, 52; Cardinal, 3; Purple Finch, 47; Pine Siskin, 14; Am. Goldfinch, 74; Slate-colored Junco, 243; Am. Tree Sparrow, 114;

Field Sparrow, 3; White-throated Sparrow, 68; Fox Sparrow, 2; Swamp Sparrow, 9; Song Sparrow, 51. **Total,** 77 species; about 12,356 individuals. (Seen in area Dec. 22: Screech Owl, 1; Catbird, 1.)—Mrs. A. K. Bowes, L. J. Bradley, S. W. Bromley, R. Burdsall, W. B. Cook, C. N. B. Dixon, G. W. Fiero, Mrs. O. F. Gleason, Mrs. J. M. Hodson, H. M. Lohmeier, E. T. Luhde, E. S. Manning, A. and J. C. Maples, Mrs. I. E. McFarland, Col. and Mrs. O. E. McKim, C. E. Mohr (compiler), J. Moxhay, Mrs. J. R. Murphy, M. Oboiko, L. S. Pearl, A. Schulman, D. Shipley, W. B. Scofield, P. C. Spofford.

77. Rensselaerville (Albany Co.), N. Y. (7½-mile radius centering on the town of Rensselaerville and including the Edmund Niles Huyck Preserve; altitude 1500-1900 feet; marginal woods 50%, pasture 35%, swamps 10%, hemlock woods 5%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Clear; temp. -1° to 15°; wind NW, 5+ m.p.h.; cover of 8 in. of crusted snow where not drifted. Nineteen observers in 2-4 parties. Total party-hours, 13 (9 on foot, 4 by car); total party-miles, 76 (14 on foot, 62 by car). Cooper's Hawk, 1; Red-tailed Hawk, 2; Ruffed Grouse, 11; Ring-necked Pheasant, 3; Pileated Woodpecker, 2; Hairy Woodpecker, 14; Downy Woodpecker, 7; Blue Jay, 34; Am. Crow, 97; Black-capped Chickadee, 27; White-breasted Nuthatch, 1; Am. Robin, 1; Common Starling, 102; House Sparrow, 83; Purple Finch, 7; Common Redpoll, 3 (R.P.); Pine Siskin, 4; Am. Goldfinch, 31; Slate-colored Junco, 48; Am. Tree Sparrow, 53; Song Sparrow, 1 (G.R.C., A.S.H.); Snow Bunting, 160. **Total,** 22 species; 692 individuals. (Seen in area about Dec. 1: Snowy Owl 1.)—P. Baitsholts, A. L. Bull, G. R. Cooley, R. Cooley (compiler), R. Eldridge, Mr. and Mrs. A. S. Hamilton, A. L. Hannay, B. Kellie, P. Lemon, R. Palmer, F. Peasley, A. W. Perkins, S. Smith, M. M. Stewart, Mr. and Mrs. J. L. Tigner, E. von Linden, M. Wood.

78. Rochester, N. Y. (7½-mile radius centering on Dewey Ave. and Stone Rd., and including Lake Ontario shore, Braddocks and Irondequoit bays, Genesee River, public parks; farmland 45%, lake and bay area 20%, parks 15%, river banks and swampland 10%, woodlands 10%).—Dec. 31; 7:30 a.m. to 5 p.m. Cloudy; temp. 32° to 35°; wind NW, 20 m.p.h.; snow on ground; water frozen except Lake Ontario and scattered open places in ponds. Fifty observers in 18 parties. Total party-hours, 97 (65 on foot, 32 by car); total party-miles, 358 (93 on foot, 265 by car). Common Loon, 1; Horned Grebe, 1; Great Blue Heron, 1; **Am. Bittern,** 1 (5 observers); Mallard, 110; Black Duck, 205; Greater Scaup, 7; Lesser Scaup, 4; Am. Golden-eye, 645; Buffle-head, 9; Old-squaw, 64; Hooded Merganser, 1; Am. Merganser, 295; Red-breasted Merganser, 208; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Ring-necked Pheasant, 63; Florida Gallinule, 1; Glaucous Gull, 1; Great Black-backed Gull, 28; Herring Gull, 732; Ring-billed Gull, 2050 (1500 est., 550); Bonaparte's Gull, 2; Mourning Dove, 3; Screech Owl, 1; Snowy Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 26; Horned Lark, 9; Blue Jay, 6; Am. Crow, 73; Black-capped Chickadee, 62; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 2; Brown Creeper, 9; Winter Wren, 3; Carolina Wren, 1; Catbird, 2; Am. Robin, 21; Hermit Thrush, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 1; Cedar Waxwing, 21; Common Starling, 2648; Myrtle Warbler, 5; House Sparrow, 202; Red-winged Blackbird, 19; Brown-headed Cowbird, 8; Cardinal, 20; Purple Finch, 10; Pine Siskin, 9; Am. Goldfinch, 28; Slate-colored Junco, 79; Am. Tree Sparrow, 117; White-throated Sparrow, 7; Swamp Sparrow, 2; Song Sparrow, 5; Snow Bunting, 68. **Total,** 63 species; about 7940 individuals. (Seen in area Dec. 24: Sharp-shinned Hawk, Am. Coot, Horned Owl, Rusty Blackbird, Purple Grackle.)—J. H. Barlow, T. Barry, D. B. Bieber, H. E. Clements, J. J. Conway, Jr., G. L. Davis, R. T. Dobson, R. E. Dolan, Mr. and Mrs. R. Dupree, Mr. and Mrs. W. L. G. Edson, R. V. Folker, H. Fritts, J. Green, R. W. Hartwell, B. Hill, C. M. Jarvis, B. A. Johnson, Jr., G. W. Jones, Jr., Mr. and Mrs. A. E. Kemnitzer, Mr. and Mrs. A. S. Klonick, Dr. G. W. Leubner, W. C. Listman, E. E. McCarthy, D. McGregor, R. G. McKinney, D. F. Miller, H. S. Miller, R. Miller, Dr. and Mrs. N. S. Moon, Dr. J. J. Morton, D. C. Nelson, R. T. O'Hare, F. Raetz, G. Rising, N. Rosenberg, H. & O. Schaefer, A. M. Secker, W. K. Shields, J. E. Sweeney, A. and Dr. L. J. Tanghe, Mr. and Mrs. J. W. Taylor, J. Weld.

79. Rockland County, N. Y. (same area as last 3 years, 15-mile circle centering on New City, N. Y. courthouse; open farmland 30%, deciduous woodland 35%, ponds and fresh-water marsh 10%, salt-water marsh 5%, coniferous woodland 5%, river shore 5%, village 10%).—Dec. 30; 6:30 a.m. to 5 p.m. Cloudy to clear; temp. 29° to 44°; wind NE to WNW, 018 m.p.h.; 2-4-in. snow; ponds frozen. Forty-three observers in 12 parties. Total party-hours, 109 (89 on foot, 20 by car); total party-miles, 351 (65 on foot, 286 by car). Mute Swan, 1; Mallard, 4; Black Duck, 173; Canvas-back, 60; Am. Golden-eye, 1; Am. Merganser, 45; Red-breasted Merganser, 3; Red-shouldered Hawk, 10; Bald Eagle, 7; Marsh Hawk, 2; Sparrow Hawk, 9; Ruffed Grouse, 4; Ring-necked Pheasant, 10; Am. Coot, 1; Great Black-backed Gull, 9; Herring Gull, 104; Ring-billed Gull, 2; Mourning Dove, 69; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 20; Pileated Woodpecker, 4; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 14; Downy Woodpecker, 107; Blue Jay, 224; Am. Crow, 236; Black-capped Chickadee, 444; Tufted Titmouse, 126; White-breasted Nuthatch, 97; Brown Creeper, 22; Winter Wren, 3; Mockingbird,

1; Catbird, 3; Brown Thrasher, 1; Am. Robin, 47; Hermit Thrush, 7; Eastern Bluebird, 84; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 1; Cedar Waxwing, 31; Common Starling, 536; Myrtle Warbler, 100; House Sparrow, 590; Eastern Meadowlark, 57; Red-winged Blackbird, 5; Cardinal, 80; Purple Finch, 40; Pine Siskin, 1; Am. Goldfinch, 140; Slate-colored Junco, 554; Am. Tree Sparrow, 329; Chipping Sparrow, 3; Field Sparrow, 10; White-throated Sparrow, 191; Swamp Sparrow, 7; Song Sparrow, 103. **Total,** 58 species; 4757 individuals. (Seen in area Dec. 28: Rusty Blackbird, 1; Eastern Towhee, 1.)—Mrs. S. Bloom, Mr. and Mrs. E. B. Brown, E. R. Brown, Dr. and Mrs. R. Burkhart, R. Carroll, E. Clarke, Mrs. S. Collins, J. Davidson, E. Deming, Mrs. G. Deming, M. Doscher, B. Fox, G. Galloway, M. R. Hopper, Mr. and Mrs. W. G. Irving, H. Kelsey, J. Kenney, E. Kincaid, H. Kretschmar, O. Lutz, D. Lyman, J. Lyman, Mrs. R. Lyman, R. Lyman, Jr., B. Miller, P. Morgan, Mr. and Mrs. K. Niven, J. Orth, J. Price, M. Sickels, Mr. and Mrs. F. Steffens, H. Stoughton, H. Tietz, F. Walter, E. Walter, Dr. and Mrs. R. Weindling, T. Wilfred, Jr. (Rockland Audubon Society).

80. Saranac Lake-Lake Placid, N. Y. (same area as previous 2 years, environs of villages of Saranac Lake and Lake Placid, Trudeau Sanatorium; open farmlands 20%, towns and suburbs 20%, river borders 10%, mixed deciduous and coniferous woodland 40%, blueberry meadows 10%).—Dec. 29; 7:30 a.m. to 4:30 p.m. Cloudy; temp. 23° to 26°; wind E, 2-5 m.p.h.; 6-in. snow; lake and ponds frozen, streams mostly frozen. Three observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 60 (10 on foot, 50 by car). Great Blue Heron, 1 (flying over Lake Placid); Ruffed Grouse, 1; Hairy Woodpecker, 7; Downy Woodpecker,, 10; Blue Jay, 41; Am. Crow, 14; Black-capped Chickadee, 133; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 13; Brown Creeper, 1; Common Starling, 3; House Sparrow, 18; Brown-headed Cowbird, 6; Evening Grosbeak, 32; Purple Finch, 3; Pine Siskin, 26; Am. Goldfinch, 52; Red Crossbill, 19; White-winged Crossbill, 31; Slate-colored Junco, 18; Am. Tree Sparrow, 9; Chipping Sparrow, 1 (daily at feeder since Nov. 22); White-throated Sparrow, 1; Snow Bunting, 92. **Total,** 24 species; 543 individuals. (Seen in area Dec. 27: Bald Eagle, 1.)—E. Osborne Coates, Jr., Gordon M. Meade, Linda Sturgis.

81. Schenectady, N. Y. (same area as in 1929 and subsequent counts except 1949; centered about 5 miles due south of Schenectady; urban and suburban 5%, farmyards 5%, open farmland 40%, light deciduous woods 20%, mixed deciduous and evergreen woods 10%, brushy hillsides and ravines 10%, cattail marshes 10%).—Dec. 23; 7 a.m. to 5 p.m. Clear to overcast; temp. 27° to 38°; wind 0-2 m.p.h.; 8-in. snow on ground; river and lakes frozen over, spring-fed streams open. Thirty-two observers in 10 parties, plus urban and suburban feeding-station records. Total party-hours, 57½ (52 on foot, 5½ by car); total party-miles, 206 (69 on foot, 137 by car). Am. Merganser, 7; Goshawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Sparrow Hawk, 8; Ruffed Grouse, 1; Ring-necked Pheasant, 56; Herring Gull, 5; Mourning Dove, 10; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Hairy Woodpecker, 29; Downy Woodpecker, 61; **Blue Jay,** 195; Am. Crow, 236; Black-capped Chickadee, 261; White-breasted Nuthatch, 65; Brown Creeper, 14; Am. Robin, 5; Hermit Thrush, 2; **Eastern Bluebird,** 20; Golden-crowned Kinglet, 4; **Cedar Waxwing,** 141; Gray Shrike, 1; Common Starling, 3830; House Sparrow, 515; Eastern Meadowlark, 5; Evening Grosbeak, 6; **Purple Finch,** 71; **Pine Siskin,** 246; **Am. Goldfinch,** 231; White-winged Crossbill, 2; **Slate-colored Junco,** 243; Am. Tree Sparrow, 696; Song Sparrow, 34. **Total,** 37 species; about 7012 individuals, Crossbills were the first on Christmas Census (R.S., B.Y., F.D.). Birds shown in boldface were from 2 to 15 times (Pine Siskin) as common as in any previous year.—Alice Abel, Guy Bartlett, Laura Beck, Mrs. W. Edward Blowney, Mrs. R. M. Brockway, Anna Desinger, Floyd Downs, Stephen C. Fordham, Jr., Mrs. C. J. Grace, Mr. and Mrs. Esly Hallenbeck, Arthur Hewitt, Alice Holmes, Samuel R. Madison, Mrs. James McMillan, B. D. Miller, P. Schuyler Miller, Stephanie Podrazik, Joseph Pollak, Vincent Schaefer, Susan Schaefer, James Schaefer, Nellie Silliman, Rudolph Stone, Lillian C. Stoner, Donald Tucker, J. M. Tucker, Frazer R. Turrentine, J. L. Voght, Leon A. Wiard, Mrs. A. K. Willey, Bob Yunick (Schenectady Bird Club).

82. Staten Island, N. Y. (Oakwood Beach, Ward's Point, Claypit Ponds, Travis and South Aves., Clove Valley; Sunnyside cattail marsh, Spring Street brush country, Moravian Cemetery, Old Mill Rd. brush country and swamp).—Dec. 30; 7:30 a.m. to 3 p.m.; temp. 28° to 40°; wind none; foggy, visibility poor. Eight observers in 3 parties. Total party-hours, 22½ (20 on foot, 2½ by car); total party-miles, 60 (20 on foot, 40 by car). Great Blue Heron, 2; Mallard, 2; Black Duck, 10; Greater Scaup, 500; Am. Golden-eye, 31; Buffle-head, 12; Old-squaw, 28; Ruddy Duck, 2; Red-breasted Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 11; Sparrow Hawk, 5; Ring-necked Pheasant, 16; Killdeer, 11; Great Black-backed Gull, 3; Herring Gull, 1113; Ring-billed Gull, 1; Bonaparte's Gull, 52; Mourning Dove, 6; Yellow-shafted Flicker, 1; Downy Woodpecker, 14; Horned Lark, 1; Blue Jay, 8; Am. Crow, 14; Black-capped Chickadee, 7; White-breasted Nuthatch, 3; Am. Robin, 4; Ruby-crowned Kinglet, 2 [no details—Ed.]; Common Starling, 691; House Sparrow, 141; Eastern Meadowlark, 22; Red-winged Blackbird, 7; Purple Grackle, 1; Cardinal, 25; Pine Siskin, 33; Am.

Goldfinch, 24; Slate-colored Junco, 59; Am. Tree Sparrow, 46; White-throated Sparrow, 93; Swamp Sparrow, 9; Song Sparrow, 75. **Total,** 42 species; 3088 individuals. (Four recently dead Barn Owls and 1 dead Screech Owl were also found in the area.)—Roger Christiansen, Lee A. Ellison, Henry Flamm, Jr., R. C. Meyer, Jr., Charles Pearson, Casimir Redjives, Miriam Stryker, Mathilde P. Weingartner (compiler).

83. Syracuse, N. Y. (Onondaga Lake, Oakwood Cemetery to Rams Gulch, Clark Reservation and Green Lake State Parks; lakes 17%, deciduous woods 30%, coniferous woods 10%, brushy fields 18%, town suburbs 5%, open fields 20%).—Dec. 30; 8 a.m. to 4:30 p.m. Clear a.m., cloudy p.m.; temp. 9° to 27°; wind W to NW, 0-10 m.p.h.; 5-8-in. snow, most calm water frozen. Four observers in 2 parties. Total party-hours, 27 (23 on foot, 4 by car); total party-miles, 150 (20 on foot, 130 by car). Black Duck, 130 (±15); Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 33; Killdeer, 1; Iceland Gull, 1 (imm. bird in snowy plumage, flying alone directly overhead at 75-100 feet; small bill and very buoyant flight—M.B.F., W.F.M., F.S.); Herring Gull, 53; Ring-billed Gull, 3; unidentified gulls, 120 (est.); Horned Owl, 1; Snowy Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 8; Blue Jay, 8; Am. Crow, 34; Black-capped Chickadee, 33; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 2; Brown Creeper, 3; Winter Wren, 1; Golden-crowned Kinglet, 2; Common Starling, 442 (300±30, 142); House Sparrow, 310 (250±30, 60); Eastern Meadowlark, 1; Cardinal, 2; Am. Goldfinch, 3; Slate-colored Junco, 3; Am. Tree Sparrow, 16; Song Sparrow, 4. **Total,** 31 species; about 1231 individuals. (Seen in area during census period: Cedar Waxwing, 1; Red-shouldered Hawk, 1; Snow Bunting, 3.)—M. B. Flynn, W. F. Minor, F. Scheider, Walter Spofford.

84. Troy, N. Y. (Hudson River from Stillwater to Troy, Tomhannock Reservoir, Tamarack Swamp, mouth of Mohawk River; about 30 miles of shoreline; urban and suburban 20%, open farmland 30%, brushland 10%, light deciduous woods 15%, mixed deciduous and evergreen woods 10%, cattail marshes 15%).—Dec. 31; 8:30 a.m. to 3:30 p.m. Cloudy and foggy; temp. 30°; wind, 0; 5-in. crusted snow, reservoir frozen. Two observers in 1 party. Total party-hours, 7 (2 on foot, 5 by car); total party-miles, 57 (6 on foot, 51 by car). Mallard, 184; Black Duck, 1928 (1800 est., 128); Am. Golden-eye, 132; Hooded Merganser, 2; Am. Merganser, 268; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 4; Ring-necked Pheasant, 7; Herring Gull, 10; Ring-billed Gull, 1; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 29; Am. Crow, 638; Black-capped Chickadee, 78; White-breasted Nuthatch, 2; Brown Creeper, 11; Common Starling, 217; House Sparrow, 64; Common Redpoll, 12; Am. Goldfinch, 10; Slate-colored Junco, 24; Am. Tree Sparrow, 54; Song Sparrow, 15. **Total,** 28 species; 3702 individuals.—G. Malcolm Andrews, Ernest Geiser.

85. Watertown, N. Y. (7½-mile radius centering on public square, 3 feeding stations, wooded areas 30%, open farmlands 25%, swamps 20%, city streets and river bank 15%, city park 5%, dump and piggery 5%).—Dec. 30; 7:15 a.m. to 5:10 p.m. Lightly overcast; temp. 24° to 30°; wind SW to W, 2-5 m.p.h.; ground covered with 15- to 20-in. snow). Forty-five observers in 26 parties. Total party-hours, 53 (49 on foot, 4 by car); total party-miles, 146 (52 on foot, 94 by car). Am. Merganser, 1; Sparrow Hawk, 1; Ruffed Grouse, 15; Ring-necked Pheasant, 4; Great Black-backed Gull, 18; Herring Gull, 2150 (est.); Snowy Owl, 2; Hairy Woodpecker, 10; Downy Woodpecker, 20; Blue Jay, 38; Am. Crow, 14; Black-capped Chickadee, 81; White-breasted Nuthatch, 3; Am. Robin, 1; Cedar Waxwing, 1; Gray Shrike, 1; Common Starling, 667; House Sparrow, 858; Purple Finch, 2; Am. Goldfinch, 95; Slate-colored Junco, 4; Am. Tree Sparrow, 38; Song Sparrow, 3; Snow Bunting, 74. **Total,** 24 species; about 4101 individuals.—J. L. Bedford, J. B. Belknap, Mr. and Mrs. Harold Besha, Mrs. J. A. Blake, Jr., J. A. Blake III, Mrs. E. H. Bunce, Mr. and Mrs. F. A. Clinch, J. A. Common, Marie Elitharp, Mrs. Lunette Fitzsimonds, Mrs. J. M. Gamble, E. G. Grant, Lucille Grant, Nancy Henderson, Gertrude Houghton, Frances Huntington, Mr. and Mrs. Lloyd Kenfield, Dr. and Mrs. Wm. Larrabee, Wm. Larrabee, Jr., Charles Martell, Mrs. Harold Morgan, Mr. and Mrs. Robert Nelson, John Plantz, Paul Regan, Mrs. Ralph Scott, Erma Schell, Mr. and Mrs. N. S. Sherman, Dr. S. E. Simpson, Mr. and Mrs. Austin Stevens, A. W. Salisbury, Arthur and Danny Salisbury, Mrs. R. H. Taylor, Mrs. Howard Vrooman, A. M. Walrath, N. Wiley, Mrs. Clayton Wodell, Mrs. Lorenzo Wait.

86. Watkins Glen, N. Y. (radius of about 2 miles from my home in Watkins Glen in all directions on foot, including some of the village streets, a cemetery, some of Watkins Glen State Park, open country along road, cattail marsh and lake).—Dec. 31; 8:30 a.m. to 4:30 p.m. Cloudy, sun came out by spells; temp. 32° to 32°; wind W, 13-8 m.p.h.; roads clear, ground covered with 4 to 6-in. snow; lake very rough. Seven observers in 7 parties. Total party-hours, 13; total party-miles, 6 (on foot). Horned Grebe, 5; Sparrow Hawk, 1 (♀); Ring-necked Pheasant, 1; Great Black-headed Gull, 1; Herring Gull, 250; Hairy Woodpecker, 1; Downy Woodpecker, 17; Blue Jay, 8; Am. Crow, 6; Black-capped Chickadee, 32; White-breasted Nuthatch, 8; Am. Robin, 1; Golden-crowned Kinglet, 2; Common Starling, 30; House Sparrow, 158; Slate-colored Junco, 6; Am. Tree Sparrow, 7; Song Sparrow, 5. **Total,** 18 spe-

cies; 539 individuals. (Seen in area Dec. 30: Belted Kingfisher, 1.)—Mrs. Leonta Beardsley, Mrs. Bishop, Marie Darling, Louise Helfer (compiler), Louise Hope, Verona Smith, Nancy A. White (Watkins Montour Bird Club).

87. Barnegat, N. J. (same area as in 1946 and in previous counts; salt marsh 40%, bay and beach 40%, upland 20%).—Dec. 28; 5 a.m. to 5 p.m. Clear; temp. 18° to 30°; wind NE, 2-6 m.p.h.; bay frozen over; ground bare. Twelve observers in 4 parties. Total party-hours, 45 (34 on foot, 11 by car); total party-miles, 122 (26 on foot, 96 by car). Common Loon, 6; Horned Grebe, 32; Double-crested Cormorant, 10; Great Blue Heron, 12; Canada Goose, 3; Brant, 13,000 (est.); Black Duck, 1185; Redhead, 12; Canvas-back, 7; Greater Scaup, 4075; Am. Golden-eye, 288; Buffle-head, 125; Old-squaw, 240; Harlequin Duck, 1 (7 x 50 glass at 25 ft. by D. Sharp and others); White-winged Scoter, 350; Surf Scoter, 4000 (est.); Ruddy Duck, 7; Am. Merganser, 2; Red-breasted Merganser, 168; Turkey Vulture, 13; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 16; Peregrine Falcon, 3; Sparrow Hawk, 5; Bob-white, 30; Piping Plover, 1 (D. Sharp); Killdeer, 8; Black-bellied Plover, 50; Ruddy Turnstone, 2; Purple Sandpiper, 24; Red-backed Sandpiper, 2229; Semipalmated Sandpiper, 1; Sanderling, 129; Great Black-backed Gull, 47; Herring Gull, 6626; Ring-billed Gull, 65; Dovekie, 1; Mourning Dove, 6; Horned Owl, 1; Barred Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1 (R.C.F.); Hairy Woodpecker, 4; Downy Woodpecker, 14; Horned Lark, 84; Blue Jay, 30; Am. Crow, 54; Carolina Chickadee, 88; Tufted Titmouse, 22; Winter Wren, 1; Carolina Wren, 9; Long-billed Marsh Wren, 1; Catbird, 8; Brown Thrasher, 4; Am. Robin, 130; Hermit Thrush, 19; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 1; Common Starling, 475; Myrtle Warbler, 376; House Sparrow, 92; Eastern Meadowlark, 17; Red-winged Blackbird, 15; Brown-headed Cowbird, 53; Cardinal, 19; Purple Finch, 17; Am. Goldfinch, 88; Eastern Towhee, 2; Ipswich Sparrow, 7; Savannah Sparrow, 6; Sharp-tailed Sparrow, 8; Seaside Sparrow, 1; Vesper Sparrow, 2; Slate-colored Junco, 171; Am. Tree Sparrow, 106; Field Sparrow, 75; White-throated Sparrow, 148; Fox Sparrow, 1; Swamp Sparrow, 112; Song Sparrow, 129; Lapland Longspur, 1. **Total,** 84 species; about 35,186 individuals. (Unusually high numbers of most species.)—J. A. Bennett, R. C. and C. J. Frohling, 3rd, R. F. Gift, J. Gorman, O. Kunkle, A. T. Newberry, N. Niosi, H. T. Ross, D. Sharp, R. S. Thorsell, F. Weinfeldt.

88. Boonton, N. J. (an area not exceeding a 15-mile diameter with Troy Hills the center; deciduous woodland 30%, open marsh 20%, wooded swamp 20%, pasture and farmland 15%, miscellaneous 15%).—Dec. 23; 6 a.m. to 6 p.m. Clear, cumulus clouds, visibility good; temp. 32° to 38°; wind WSW, max. velocity, 16 m.p.h.; reservoir with small area open water, ground with trace of snow. Seventeen observers in 6 parties. Total party-hours, 70 (45 on foot, 20 by car, 5 by boat); total party-miles, 150 (50 on foot, 95 by car, 5 by boat). Horned Grebe, 4; Great Blue Heron, 2; Mute Swan, 16; Mallard, 68; Black Duck, 1937 (part est.); Am. Widgeon, 4; Redhead, 1; Ring-necked Duck, 12; Canvas-back, 7; Greater Scaup, 15; Am. Golden-eye, 12; Bufflehead, 22; Ruddy Duck, 20; Hooded Merganser, 8; Am. Merganser, 67; Sharp-shinned Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 15; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 10; Virginia Rail, 1; Am. Coot, 1; Wilson's Snipe, 1; Herring Gull, 75; Ring-billed Gull, 4; Mourning Dove, 41; Screech Owl, 4; Horned Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 7; Hairy Woodpecker, 19; Downy Woodpecker, 70; Horned Lark, 22; Blue Jay, 81; Am. Crow, 2112 (part est.); Black-capped Chickadee, 276; Tufted Titmouse, 70; White-breasted Nuthatch, 47; Brown Creeper, 8; Winter Wren, 7; Catbird, 1; Am. Robin, 1; Hermit Thrush, 2; Eastern Bluebird, 25; Golden-crowned Kinglet, 55; Ruby-crowned Kinglet, 3; Cedar Waxwing, 3; Gray Shrike, 1; Common Starling, 2821 (part est.); Myrtle Warbler, 25; House Sparrow, 225; Red-winged Blackbird, 19; Rusty Blackbird, 3; Purple Grackle, 1; Brown-headed Cowbird, 25; Cardinal, 25; Purple Finch, 6; Pine Siskin, 6; Am. Goldfinch, 75; Slate-colored Junco, 228; Am. Tree Sparrow, 741; Field Sparrow, 44; White-throated Sparrow, 105; Fox Sparrow, 1; Swamp Sparrow, 56; Song Sparrow, 252. **Total,** 68 species; approximately 9842 individuals.—J. Bennett, C. D. Brown, T. Butler, F. De Hart, J. L. Edwards, A. E. Eynon, R. Frohling, J. Jubon, B. Kane, D. Kunkle, J. Mann, R. Murray, A. T. Newberry, N. Niosi, R. Thorsell, H. M. Van Deusen, F. P. Wolfarth (Urner Ornithological Club).

89. Bridgeton, N. J. (Vineland, Bridgeton, Fairton, Fortescue and Sea Breeze on Delaware Bay; all observations in Cumberland County; pasture 25%, salt marsh 25%, fresh marsh 5%, town suburbs 10%, dense woods 25%, fresh water ponds and streams 10%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Partly cloudy; temp. 21° to 28°; wind NE, 15-20 m.p.h.; fresh water streams and lakes partly frozen. Three observers in 1 party. Total party-hours, 27 (7 on foot, 20 by car); total party-miles, 90 (15 on foot, 75 by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Snow Goose, 24; Black Duck, 207; Am. Scoter, 4; Am. Merganser, 11; Turkey Vulture, 50; Cooper's Hawk, 1; Marsh Hawk, 3; Osprey, 1; Sparrow Hawk, 1; Killdeer, 6; Wilson's Snipe, 1; Red-backed Sandpiper, 38; Herring Gull, 23; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Downy Woodpecker, 3; Blue Jay, 13; Am. Crow, 617; Carolina Chickadee, 16; Tufted Titmouse, 2; White-breasted Nuthatch, 1; Mockingbird, 1; Am. Robin, 8; Hermit Thrush, 3; Golden-crowned

Kinglet, 3; Common Starling, 772; Myrtle Warbler, 1; House Sparrow, 100; Eastern Meadowlark, 34; Red-winged Blackbird, 20; Purple Grackle, 7; Cardinal, 34; Am. Goldfinch, 4; Savannah Sparrow, 1; Slate-colored Junco, 117; Am. Tree Sparrow, 1; Field Sparrow, 10; White-throated Sparrow, 96; Fox Sparrow, 1; Song Sparrow, 18. **Total,** 42 species; about 2259 individuals.—Bennett K. Matlack (compiler), Charles E. Ford, J. Stanley Quickmire.

90. Cape May, N. J. (7½-mile radius from Rio Grande, Cape May County; salt marsh 15%, woodland 15%, cultivated land 15%, sand beach 5%, ocean and bay 50%).—Dec. 30; 7 a.m. to 5 p.m. Foggy; temp. 30° to 38°; wind E, 0-7 m.p.h.; dense fog blanketed entire area all day. Forty-three observers in 10 parties. Total party-hours, 100 (90 on foot, 10 by car); total party-miles, 375 (175 on foot, 200 by car). Common Loon, 10; Red-throated Loon, 16; Holboell's Grebe, 1; Horned Grebe, 9; Pied-billed Grebe, 6; Double-crested Cormorant, 8; Am. Egret, 1; Snowy Egret, 1 (E.W.—seen at close range, dark legs and yellow feet conspicuous); Great Blue Heron, 26; Little Blue Heron, 8; Black-crowned Night Heron, 58; Am. Bittern, 3; Canada Goose, 25; Brant, 30,000 (est.); Mallard, 3; Black Duck, 212; Am. Widgeon, 15; Wood Duck, 1; Canvasback, 4; Greater Scaup, 328; Am. Golden-eye, 6; Buffle-head, 49; Old-squaw, 43; White-winged Scoter, 164; Surf Scoter, 32; Am. Scoter, 35; Ruddy Duck, 67; Hooded Merganser, 1; Am. Merganser, 2; Red-breasted Merganser, 36; Turkey Vulture, 105; Sharp-shinned Hawk, 8; Cooper's Hawk, 6; Red-tailed Hawk, 7; Red-shouldered Hawk, 7; Bald Eagle, 3; Marsh Hawk, 17; Sparrow Hawk, 24; Bob-white, 18; Clapper Rail, 28; Am. Coot, 2; Killdeer, 83; Ringed Plover, 1; Black-bellied Plover, 27; Am. Woodcock, 3; Wilson's Snipe, 1; Greater Yellow-legs, 7; Purple Sandpiper, 26; Red-backed Sandpiper, 3500; Semipalmated Sandpiper, 6; Western Sandpiper, 2; Sanderling, 123; Great Black-backed Gull, 24; Herring Gull, 649; Ring-billed Gull, 79; Bonaparte's Gull, 37; Mourning Dove, 95; Screech Owl, 2; Horned Owl, 5; Short-eared Owl, 3; Belted Kingfisher, 9; Yellow-shafted Flicker, 38; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 29; Eastern Phoebe, 7; Horned Lark, 18; Tree Swallow, 27; Blue Jay, 161; Am. Crow, 400; Fish Crow, 14; Carolina Chickadee, 227; Tufted Titmouse, 78; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 4; Brown Creeper, 6; Winter Wren, 3; Carolina Wren, 78; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 2; Mockingbird, 1; Catbird, 29; Brown Thrasher, 6; Am. Robin, 805; Hermit Thrush, 60; Eastern Bluebird, 137; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Water Pipit, 92; Cedar Waxwing, 8; Common Starling, 8955; Myrtle Warbler, 5902; Palm Warbler, 2; House Sparrow, 644; Eastern Meadowlark, 368; Red-winged Blackbird, 879; Purple Grackle, 48; Brown-headed Cowbird, 4848; Cardinal, 98; Purple Finch, 11; Pine Siskin, 1; Am. Goldfinch, 283; Eastern Towhee, 17; Ipswich Sparrow, 6; Savannah Sparrow, 58; Sharp-tailed Sparrow, 11; Seaside Sparrow, 2; Vesper Sparrow, 6; Slate-colored Junco, 373; Am. Tree Sparrow, 182; Chipping Sparrow, 21; Field Sparrow, 146; White-throated Sparrow, 1002; Fox Sparrow, 21; Swamp Sparrow, 18; Song Sparrow, 340; Lapland Longspur, 2. **Total,** 117 species; about 62,562 individuals.—E. Archer, J. Arnett, T. Byers, J. Cadbury, E. Choate, D. Coman, W. Corson, B. Darby, R. Darby, C. Darlington, E. Gordon, A. Guthrie, R. Haines, J. Jacobs, M. A. Linton, D. Marshall, E. Marshall, E. Marshall, Jr., P. Marvin, M. McCutcheon, J. McIlvain, F. McLaughlin, P. Meigher, J. Moore, Jr., W. Middleton, A. Nicholson, Jr., J. Potter, S. Quickmire, C. Reagan, E. Reiman, R. Reinhardt, G. Reynard, C. Ross, W. Sheldon, E. Smalzreid, C. Staaz, W. Stokes, Jr., P. Street, E. Ward, E. Weyl, B. Wright, W. Wright III, C. Wurster (Delaware Valley Ornithological Club).

91. Elizabeth, N. J. (Newark Bay, across Newark Meadows and north Elizabeth to Kean's Woods; bay front 20%, meadowland 15%, city dumps 10%, city suburbs 25%, scrubby fields 10%, deciduous woodlands 20%).—Dec. 27; 8 a.m. to 5 p.m. Clear; temp. 10° to 25°; wind W, 0-7 m.p.h.; ground covered with 3-in. snow; fresh water frozen. Four observers in 2 parties. Total party-hours, 12 (on foot); total party-miles, 12 (on foot). Great Blue Heron, 1; Greater Scaup, 125; Am. Golden-eye, 36; Buffle-head, 1; Red-breasted Merganser, 14; Red-tailed Hawk, 1; Marsh Hawk, 4; Peregrine Falcon, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 3; Greater Yellow-legs, 1; Great Black-backed Gull, 2; Herring Gull, 1200 (est.); Ring-billed Gull, 5; Mourning Dove, 1; Barn Owl, 2; Short-eared Owl, 2; Downy Woodpecker, 3; Horned Lark, 19; Blue Jay, 4; Am. Crow, 2; Black-capped Chickadee, 3; Tufted Titmouse, 5; White-breasted Nuthatch, 2; Winter Wren, 1; Common Starling 85; Myrtle Warbler, 1; House Sparrow, 15; Eastern Meadowlark, 6; Cardinal, 5; Am. Goldfinch, 6; Sharp-tailed Sparrow, 3; Slate-colored Junco, 22; Am. Tree Sparrow, 60; Field Sparrow, 1; White-throated Sparrow, 4; Song Sparrow, 9. **Total,** 36 species; about 1656 individuals.—John Crowell (compiler), David Fables, Prasong Sukkum, Jack Wolf.

92. Great Swamp-Watchung Ridges, N. J. (7½ miles from New Providence; dry deciduous woods 50%, fields 25%, wet deciduous woods 10%, suburban area 10%, evergreen woods 5%).—Dec. 23; 8 a.m. to 4:30 p.m. Cloudy; temp. 40° to 25°; wind NW, 10 m.p.h.; roads icy; ground covered 1-2-in. snow; ponds, streams frozen. Sixteen observers in 6 parties. Total party-hours, 30 (25 on foot, 5 by car); total party-miles, 87 (35 on foot, 52 by car); also day-long observations at feeding stations by 40 members of Summit and Chat-

ham Nature Clubs. Mallard, 9; Black Duck, 127; Am. Merganser, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 6; Red-shouldered Hawk, 9; Marsh Hawk, 2; Sparrow Hawk, 10; Ring-necked Pheasant, 1; Wilson's Snipe, 1; Herring Gull, 523; Mourning Dove, 5; Horned Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 10; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 34; Downy Woodpecker, 157; Blue Jay, 153; Am. Crow, 90; Black-capped Chickadee, 405; Tufted Titmouse, 219; White-breasted Nuthatch, 137; Red-breasted Nuthatch, 3; Brown Creeper, 25; Mockingbird, 1; Catbird, 1; Brown Thrasher, 1; Am. Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 49; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 3; Water Pipit, 1 (G.W.); Cedar Waxwing, 32; Common Starling, 1828; Myrtle Warbler, 97; House Sparrow, 777; Eastern Meadowlark, 3; Red-winged Blackbird, 8; Rusty Blackbird, 2; Cardinal, 118; Purple Finch, 26; Am. Goldfinch, 91; Eastern Towhee, 1; Slate-colored Junco, 906; Am. Tree Sparrow, 561; Field Sparrow, 9; White-throated Sparrow, 223; Fox Sparrow, 1; Swamp Sparrow, 36; Song Sparrow, 184. **Total,** 55 species; 6911 individuals.—Mrs. Albert Dillman, Mrs. Carol Davis, James Hand, Mrs. Marshall Harrington, James Hawley, Charles Hoiles, Jeannette Middlebrook, Mr. and Mrs. Burt Schaughency, Lois Wenman, Gertrude Whitlock, Russell Sieder, Robert Mason, Don and Glen Wolfenden, Charles Weisel.

93. Hackensack, N. J. (7½-mile radius centering on Main and Essex St. to Radburn and East Ridgewood Ave. on north, Hudson R. on east, Passaic R. on west and Kingsland on south; residential 25%, woodlots 10%, brackish cattail and phragmites marsh 30%, river area 20%, garbage dumps 5%, cultivated fields 5%, open fields 5%). —Dec. 30; 7:30 a.m. to 4:30 p.m. Foggy, clearing; temp. 30° to 40°; wind N, veering W, 5-10 m.p.h.; all water areas open by noon. Fifty-three observers in 21 parties. Total party-hours, 107 (91 on foot, 16 by car); total party-miles, 198½ (78½ on foot, 120 by car). Great Blue Heron, 5; Black-crowned Night Heron, 1; Mallard, 225; Black Duck, 131; Pintail, 2; Wood Duck, 1; Ring-necked Duck, 4; Greater Scaup, 556 (300 est., 256); Am. Golden-eye, 35; Buffle-head, 2; Am. Merganser, 68; Turkey Vulture, 4 (seen at close range feeding on carrion); Sharp-shinned Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 3; Marsh Hawk, 4; Peregrine Falcon, 3; Sparrow Hawk, 13; Bob-white, 7; Ring-necked Pheasant, 7; Great Black-backed Gull, 8; Herring Gull, 1032; Ring-billed Gull, 69; Laughing Gull, 4; Mourning Dove, 4; Belted Kingfisher, 5; Yellow-shafted Flicker, 4; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 50; Horned Lark, 48; Blue Jay, 72; Am. Crow, 84; Black-capped Chickadee, 143; Tufted Titmouse, 42; White-breasted Nuthatch, 23; Brown Creeper, 1; Winter Wren, 2; Catbird, 1; Brown Thrasher, 1; Am. Robin, 5; Hermit Thrush, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 2; Cedar Waxwing, 1; Common Starling, 1987; Myrtle Warbler, 6; House Sparrow, 612; Eastern Meadowlark, 12; Red-winged Blackbird, 173; Rusty Blackbird, 7; Purple Grackle, 9; Brown-headed Cowbird, 5; Cardinal, 34; Am. Goldfinch, 107; Eastern Towhee, 1; Vesper Sparrow, 1; Slate-colored Junco, 253; Am. Tree Sparrow, 396; Chipping Sparrow, 5; Field Sparrow, 95; White-throated Sparrow, 270; Fox Sparrow, 10; Swamp Sparrow, 10; Song Sparrow, 321. **Total,** 65 species; about 7020 individuals.—D. Allen, A. Andora, H. T. Armitt, Mrs. H. Armitt, A. Bihun, Mr. and Mrs. J. Boldtmann, J. L. Brewer, J. G. Brewer, C. Bush, C. Demarest, J. Demarest, D. DiPerna, W. Downin, L. Druding, P. Dyke, R. Evans, H. Fisher, T. Fleming, P. H. Grosch, R. Gunther, E. Harms, G. Hatch, L. Hatch, E. Jette, T. Kennedy, J. Kern, W. Lamond, H. Lohmeier, N. Love, J. Mann, J. Mann, Jr., V. Meyer, Jr., G. G. Nearing, D. C. Pallas, H. Pallas, H. Patten, C. A. Post, R. Post, R. Robbins, J. Rowe, F. Schetty, C. Siess (compiler), L. J. Siess, J. Soffel, F. Spring, H. Stout, J. Swift, E. Trotter, G. Utzatt, E. Vincent, H. Wells, C. Wentworth, Jr.

94. Lakehurst, N. J. (Point Pleasant to Toms River, Lakehurst and Lakewood; pine woods 50%, deciduous woods 20%, cultivated land 10%, cedar swamps 5%, sand beach 5%, salt marsh 5%, towns 5%).—Dec. 26; 7 a.m. to 5 p.m. Snow flurries; temp. 20° to 8°; wind SE, 25 m.p.h.; ponds and lakes frozen; visibility greatly reduced. Fourteen observers in 4 parties. Total party-hours, 22 (10 on foot, 12 by car); total party-miles, 167 (22 on foot, 145 by car). Common Loon, 2; Red-throated Loon, 2; Horned Grebe, 12; Pied-billed Grebe, 2; Gannet, 1; Canada Goose, 75; Mallard, 73; Black Duck, 250; Am. Widgeon, 250; Green-winged Teal, 1; Shoveller, 2; Redhead, 6; Canvas-back, 16; Greater Scaup, 200; Am. Golden-eye, 156; Buffle-head, 18; Old-squaw, 1; Am. Scoter, 2; Ruddy Duck, 2; Hooded Merganser, 2; Am. Merganser, 15; Red-breasted Merganser, 20; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Clapper Rail, 3; Virginia Rail, 1; Am. Coot, 17; Killdeer, 6; Black-bellied Plover, 1; Red-backed Sandpiper, 18; Great Black-backed Gull, 75; Herring Gull, 450; Ring-billed Gull, 10; Bonaparte's Gull, 108; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 7; Blue Jay, 14; Am. Crow, 84; Black-capped Chickadee, 2; Carolina Chickadee, 25; Tufted Titmouse, 8; White-breasted Nuthatch, 2; Winter Wren, 1; Am. Robin, 80; Hermit Thrush, 1; Golden-crowned Kinglet, 42; Ruby-crowned Kinglet, 1; Cedar Waxwing, 1; Common Starling, 222; Myrtle Warbler, 205; House Sparrow, 60; Eastern Meadowlark, 30; Red-winged Blackbird, 22; Brown-headed Cowbird, 45; Cardinal, 3; Pine Siskin, 14; Am. Goldfinch, 12; Sharp-tailed Sparrow, 2; Seaside Sparrow, 1; Slate-

colored Junco, 104; Am. Tree Sparrow, 135; Field Sparrow, 1; White-throated Sparrow, 18; Swamp Sparrow, 1; Song Sparrow, 60. **Total,** 71 species; 3012 individuals.—Larry Boyle, Walter Carney, John Crowell, Gerald Day, David Fables (compiler), Richard Johnson, Isabell Meyer, George Seeley, Russell Sieder, Prasong Sukkum, Donald White, John Wolf, Ethel and Glen Woolfenden.

95. Long Branch, N. J. (Oceanport to Wreck Pond; residential area 5%, farmlands 10%, woods 20%, beachfront 20%, bushy fields 10%, marshes 5%, bays and ponds 30%).—Dec. 30; 6:30 a.m. to 5 p.m. Temp. 30° to 33°; wind none; no snow, ponds partly frozen. Twenty-six observers in 7 parties. Total party-hours, 64 (36 on foot, 28 by car); total party-miles, 334 (54 on foot, 280 by car). Common Loon, 18; Red-throated Loon, 26; Red-necked Grebe, 1; Horned Grebe, 27; Pied-billed Grebe, 3; Gannet, 2; Double-crested Cormorant, 1; Great Blue Heron, 4; Am. Bittern, 1; Mute Swan, 3; Canada Goose, 7; Brant, 17; Mallard, 563; Black Duck, 1191; Am. Widgeon, 428; Pintail, 4; Green-winged Teal, 7; Ring-necked Duck, 39; Canvas-back, 4; Greater and Lesser Scaup (both ident.), 3300 (2900 est., 400); Am. Golden-eye, 7; Buffle-head, 10; Old-squaw, 4; White-winged Scoter, 25; Ruddy Duck, 82; Hooded Merganser, 4; Am. Merganser, 106; Red-breasted Merganser, 287; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Marsh Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 21; Bob-white, 16; Ring-necked Pheasant, 2; Clapper Rail, 6; Am. Coot, 404; Killdeer, 26; Purple Sandpiper, 1; Great Black-backed Gull, 378; Herring Gull, 4226 (3000 est., 1226); Ring-billed Gull, 174; Laughing Gull, 1; Bonaparte's Gull, 1237; Mourning Dove, 190; Horned Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 4; Hairy Woodpecker, 6; Downy Woodpecker, 47; Eastern Phoebe, 1 (A.E.E.); Horned Lark, 21; Blue Jay, 50; Am. Crow, 385; Carolina Chickadee, 144; Tufted Titmouse, 79; White-breasted Nuthatch, 17; Brown Creeper, 2; Winter Wren, 3; Carolina Wren, 11; Long-billed Marsh Wren, 1 (I.H.B.); Catbird, 5; Am. Robin, 207; Hermit Thrush, 4; Eastern Bluebird, 15; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 2 (A.E.E.); Cedar Waxwing, 7; Common Starling, 1956 (1200 est., 756); Myrtle Warbler, 555; House Sparrow, 261; Eastern Meadowlark, 15; Red-winged Blackbird, 590; Purple Grackle, 42; Brown-headed Cowbird, 10; Cardinal, 76; Purple Finch, 4; Am. Goldfinch, 175; Savannah Sparrow, 10; Seaside Sparrow, 1; Slate-colored Junco, 266; Am. Tree Sparrow, 146; Field Sparrow, 41; White-crowned Sparrow, 1 (G.W., R.S.); White-throated Sparrow, 304; Swamp Sparrow, 5; Song Sparrow, 166. **Total,** 90 species; about 18,507 individuals.—C. H. Adsit, I. H. Black, C. D. Brown, J. L. Edwards, B. Einhorn, A. E. Eynon, R. Frohling, A. Gaines, E. Gould, C. C. Jefferson, Jr., J. Jehl, D. Kunkle, A. T. Newberry, N. Niosi, W. Sandford, G. M. Seeley (compiler), H. G. Seeley, R. Sieder, R. Storer, G. Stout, P. Stout, E. Wisner, V. Wisner, F. Wolfarth, G. Woolfenden, L. B. Woolfenden.

96. Moorestown, Maple Shade and Riverton, N. J. (Delair to Delanco along Delaware, Maple Shade, Moorestown, Mt. Laurel, Hartford, and Bridgeboro; deciduous woods 31%, open farmland and hedgerows 29%, town suburbs 24%, riverfront 8%, wet, brushy meadow 7%, evergreen woods 1%).—Dec. 31; 7:30 a.m. to 5 p.m. Clear; temp. 33° to 41°; wind NW, 5-20 m.p.h.; ground bare; still water frozen. Forty-one observers in 19 parties. Total party-hours, 49 (30 on foot, 7 by car, 12 at feeders); total party-miles, 106 (31 on foot, 75 by car). Great Blue Heron, 2; Black-crowned Night Heron, 1; Mallard, 2; Black Duck, 26; Pintail, 75; scaup (sp.), 10; Am. Golden-eye, 1; White-winged Scoter, 1; Am. Merganser, 57; Turkey Vulture, 7; Goshawk, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Bald Eagle, 2; Marsh Hawk, 6; Sparrow Hawk, 28; Bob-white, 1; Ring-necked Pheasant, 7; Killdeer, 12; Herring Gull, 369; Ring-billed Gull, 10; Mourning Dove, 9; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 8; Hairy Woodpecker, 6; Downy Woodpecker, 52; Eastern Phoebe, 1; Horned Lark, 12; Blue Jay, 31; Am. Crow, 159; Fish Crow, 5; Carolina Chickadee, 90; Tufted Titmouse, 37; White-breasted Nuthatch, 12; Brown Creeper, 9; Carolina Wren, 1; Mockingbird, 3; Eastern Bluebird, 4; Golden-crowned Kinglet, 7; Water Pipit, 79; Common Starling, 1683; Myrtle Warbler, 20; House Sparrow, 370; Eastern Meadowlark, 3; Red-winged Blackbird, 75; Cardinal, 51; Am. Goldfinch, 28; Slate-colored Junco, 124; Am. Tree Sparrow, 45; Field Sparrow, 9; White-throated Sparrow, 111; Fox Sparrow, 3; Swamp Sparrow, 9; Song Sparrow, 74. **Total,** 57 species; 3759 individuals.—S. N. Aldridge, H. F. and Irene Anders, John Augustine, Alfred C. Alyce, Deborah, Alison and David Borton, W. L. and Bessie Cleaver, H. C. Collins, F. G. Conrow, A. P. and B. P. Dorell, Elsie Elkinton, Elizabeth Gillingham, M. E. Glassey, M. A. and M. R. Linton, E. R. Lippincott, A. W. H. Lippincott, P. B. and Myra Lovell, D. W. Mathias, J. L. and H. L. Moore, R. Plasket, C. L. and Sabina Reagan, A. M. and J. Rogers, J. F. Salmon, Jr., E. Schaible, C. E. Stasz, J. H. Sylvia and Hal Taylor, Esther Wallace, E. P. Ward, E. Warlow, Kathryn Wilson.

97. Mount Holly, N. J. (7½-mile radius including Lumberton, Masonville, Centerton, Burlington, Pemberton, also along the Rancocas Creek and Delaware River; creek area 50%, river area 15%, woodland 10%, farmland 10%, pine groves 15%).—Dec. 31; 6 a.m. to 4 p.m. Foggy, damp; temp. 32° to 40°; wind NW, 10-12 m.p.h.; ice on all fresh water. Three observers in 1 party. Total party-hours, 30 (5 on foot, 25 by car); total party-miles, 80 (5 on foot, 75 by car). Great

Blue Heron, 1; Mallard, 4; Black Duck, 200; Pintail, 500; Am. Golden-eye, 1; Am. Merganser, 7; Turkey Vulture, 25; Sharp-shinned Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 18; Ring-necked Pheasant, 1; Killdeer, 2; Wilson's Snipe, 1; Herring Gull, 50; Mourning Dove, 75; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Hairy Woodpecker, 3; Downy Woodpecker, 12; Blue Jay, 6; Am. Crow, 1000+; Fish Crow, 12; Black-capped Chickadee, 50; Tufted Titmouse, 12; White-breasted Nuthatch, 10; Brown Creeper, 3; Winter Wren, 2; Carolina Wren, 2; Am. Robin, 28; Hermit Thrush, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 20; Cedar Waxwing, 1; Gray Shrike, 1; Common Starling, 1000+; Myrtle Warbler, 1; House Sparrow, 25; Eastern Meadowlark, 80; Red-winged Blackbird, 8; Rusty Blackbird, 5; Purple Grackle, 8; Cardinal, 20; Am. Goldfinch, 25; Slate-colored Junco, 25; Am. Tree Sparrow, 10; White-throated Sparrow, 100; Song Sparrow, 6. **Total,** 49 species; 3382 individuals. Gray Shrike killed by passing car, sent to Philadelphia Academy.—May Middleton, J. Russell Sprow, Mr. and Mrs. W. H. Trump, Nelson D. W. Pumyea (compiler).

98. North Bergen, N. J. (an area one mile wide between the Hudson and Hackensack Rivers; North Hudson Park 44%, river front 12%, residential 6%, tidal marsh 38%).—Dec. 26; 7 a.m. to 4 p.m. Snowing; temp. 20° to 25°; wind N to NE, 10-12 m.p.h.; 3 in. of snow at finish, fresh water frozen. Two observers in 1-2 parties. Total party-hours, 16 (on foot); total party-miles, 18 (on foot). Mallard, 1; Black Duck, 56; Greater Scaup, 2; Am. Merganser, 5; Red-breasted Merganser, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 1; Virginia Rail, 1; Wilson's Snipe, 1; Great Black-backed Gull, 4; Herring Gull, 116; Mourning Dove, 3; Barn Owl, 1; Yellow-shafted Flicker, 1; Downy Woodpecker, 1; Horned Lark, 2; Blue Jay, 3; Black-capped Chickadee, 1; Tufted Titmouse, 2; Am. Robin, 1; Golden-crowned Kinglet, 1; Water Pipit, 7; Common Starling, 3690 (2500±500, 1190); House Sparrow, 152; Eastern Meadowlark, 2; Brown-headed Cowbird, 1; Cardinal, 1; Savannah Sparrow, 2; Vesper Sparrow, 1; Slate-colored Junco, 3; Am. Tree Sparrow, 263; Field Sparrow, 14; White-throated Sparrow, 6; Fox Sparrow, 14; Swamp Sparrow, 18; Song Sparrow, 126. **Total,** 40 species; about 4511 individuals. (Seen in area during count period: Great Blue Heron, 1; Ring-necked Pheasant, 2; Ring-billed Gull, 17; Am. Goldfinch, 1.)—Ned R. Boyajian (compiler), Richard Q, Ryan.

99. Princeton, N. J. (within a 9¼-mile diameter; villages, estates, farms, lowland and upland deciduous woods, red-cedar groves, swamp, marsh, lake, ponds and streams).—Dec. 23; 7 a.m. to 6 p.m. Cloudy to clear; temp. 36° to 45; wind SW, calm to light; ground barely snow-covered to bare, waters (except swifter streams) frozen. Thirteen observers in 6 parties and 1 at a food station. Total party-hours, 57 (all on foot); total party-miles, 66½ (all on foot). Great Blue Heron, 3; Mute Swan, 2; Canada Goose, 48 (flock); Mallard, 240; Black Duck, 80; Am. Widgeon, 8 (flock); Green-winged Teal, 1; (Am.?) Merganser, 5 (flock); Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 11; Ring-necked Pheasant, 4; Killdeer, 3; Wilson's Snipe, 2; Herring Gull, 4; Mourning Dove, 78; Screech Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 49; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 107; Eastern Phoebe, 1; Horned Lark, 70; Blue Jay, 51; Am. Crow, 225; Black-capped Chickadee and Carolina Chickadee, 79; Tufted Titmouse, 109; White-breasted Nuthatch, 32; Brown Creeper, 17; Winter Wren, 13; Carolina Wren, 3; Catbird, 5; Am. Robin, 11; Hermit Thrush, 6; Eastern Bluebird, 45; Golden-crowned Kinglet, 31; Ruby-crowned Kinglet, 9; Cedar Waxwing, 1; Loggerhead Shrike, 1; Common Starling, 1676; Myrtle Warbler, 323; Pine Warbler, 1 (E.B.B.); Common Yellowthroat, 1; Black-capped Warbler, 1 ad. (F.W.L., W.C.); House Sparrow, 900; Red-winged Blackbird, 127; Purple Grackle, 2310; Cardinal, 84; Purple Finch, 28; Am. Goldfinch, 187; Eastern Towhee, 3; Savannah Sparrow, 3; Slate-colored Junco, 222; Am. Tree Sparrow, 180; Field Sparrow, 28; White-throated Sparrow, 381; Fox Sparrow, 1; Swamp Sparrow, 14; Song Sparrow, 229. **Total,** 64 species; about 8079 individuals. The Pine and Black-capped Warblers were seen under favorable circumstances by observers familiar with the species and all necessary characters noted. (An immature Black-capped Warbler seen in area Dec. 3 by J.K.M. and C.H.R.; Barn Owl, 2, Dec. 30; Mockingbird, 1, Dec. 27.) —E. B. Bloor, Walter Corson, R. J. Delatour, R. N. Laughlin, J. T. and R. R. Law, F. W. Loetscher, Jr., J. K. Meritt, Peter Mott, B. S. Ridgely, C. H. and W. S. Rogers, Jay Schnell, A. L. Shinn.

100. Raritan Estuary, N. J. (circle centered at Bonhamptown as before; open farmland 20%, freshwater swamps 5%, swampy woods 15%, deciduous woods 10%, salt meadows 30%, towns and suburbs 20%).—Dec. 26; 5 a.m. to 3:30 p.m. Snowing (2-in. fall); temp. 16° to 21°; wind NW, up to 7 m.p.h.; no old snow; ground and most fresh water frozen. Eight observers in 4 parties. Total party-hours, 26 (17 on foot, 9 by car); total party-miles, 58 (14 on foot, 44 by car). Great Blue Heron, 1; Mallard, 1; Black Duck, 19; Greater Scaup, 11; Am. Golden-eye, 3; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 3; Ring-necked Pheasant, 3; Virginia Rail, 1; Great Black-backed Gull, 3; Herring Gull, 237; Ring-billed Gull, 14; Black-headed Gull, 1; Bonaparte's Gull, 123; Mourning Dove, 3; Screech Owl, 2; Horned Owl, 2; Long-eared Owl, 1; Yel-

low-shafted Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 7; Horned Lark, 14; Blue Jay, 8; Am. Crow, 2000 (±100, in roost); Black-capped Chickadee, 24; Tufted Titmouse, 5; White-breasted Nuthatch, 7; Brown Creeper, 1; Winter Wren, 1; Am. Robin, 2; Common Starling, 60,000 (±5000, in roost); Myrtle Warbler, 46; House Sparrow, 592; Eastern Meadowlark, 6; Red-winged Blackbird, 35,000 (±3500, in roost); Rusty Blackbird, 2; Purple Grackle, 15,000 (±1500); Brown-headed Cowbird, 10,000 (±1000); Cardinal, 10; Pine Siskin, 2; Am. Goldfinch, 12; Sharp-tailed Sparrow, 2; Slate-colored Junco, 89; Am. Tree Sparrow, 85; Field Sparrow, 1; White-throated Sparrow, 22; Swamp Sparrow, 4; Song Sparrow, 30. **Total,** 49 species; about 123,405 individuals. Also 1 Japanese Nun, feral at least a year. (In count area, Dec. 27: Wood Duck, 1; Hooded Merganser, 1; Greater Yellowlegs, 1.)—Gilbert Cant (compiler), Kitty Chamberlain, Mrs. Charles Clark, Mrs. R. S. Corwin, Gerald Day, David Fables, John T. S. Hunn, Edwin I. Stearns.

101. Ridgewood, N. J. (Mahwah to Piermont, south to Oradell and Glen Rock; open fields, ploughed lands and roadsides 25%, swamps, and brushy thickets along streams and marsh 22%, lake and river front 4%, deciduous woodlands 30%, farm land and orchards 3%, suburban areas including feeding stations, dumps, cemeteries, etc. 16%).—Dec. 30; 8 a.m. to 5 p.m. Early fog followed by clearing in mid-morning; temp. 28° to 45°; wind 1-5 m.p.h.; ground partly snow covered; all ponds and reservoirs ice-bound. Sixty observers in 19 parties. Total party-hours, 103½ (93½ on foot, 10 by car); total party-miles, 380 (136 on foot, 244 by car). Mute Swan, 1; Canada Goose, 53; Mallard, 245; Black Duck, 243; Pintail, 5; Redhead, 1; Greater Scaup, 1; Am. Golden-eye, 11; Am. Merganser, 29; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 4; Ring-necked Pheasant, 8; Wilson's Snipe, 1; Great Black-backed Gull, 32; Herring Gull, 2457; Mourning Dove, 81; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 9; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 23; Downy Woodpecker, 133; Blue Jay, 166; Am. Crow, 144; Black-capped Chickadee, 340; Tufted Titmouse, 138; White-breasted Nuthatch, 192; Red-breasted Nuthatch, 1; Brown Creeper, 14; Winter Wren, 9; Carolina Wren, 1; Am. Robin, 11; Hermit Thrush, 6; Eastern Bluebird, 34; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 5; Cedar Waxwing, 25; Common Starling, 701; Myrtle Warbler, 66; House Sparrow, 727; Red-winged Blackbird, 21; Rusty Blackbird, 3; Baltimore Oriole, 1; Purple Grackle, 2; Brown-headed Cowbird, 2; Cardinal, 68; Purple Finch, 168; Common Redpoll, 5; Pine Siskin, 24; Am. Goldfinch, 104; Eastern Towhee, 1; Savannah Sparrow, 3; Slate-colored Junco, 627; Am. Tree Sparrow, 422; Chipping Sparrow, 1; Field Sparrow, 29; White-crowned Sparrow, 1; White-throated Sparrow, 225; Fox Sparrow, 3; Swamp Sparrow, 6; Song Sparrow, 194. **Total,** 68 species; 7852 individuals. (Mockingbird seen every day from Dec. 18 to 29 and again on Jan. 3; Wood Thrush not seen on Dec. 30 but for the entire week before; Great Horned Owl seen the week before the census.)—Sammy Accipenti, Mrs. I. J. Adams, John Anderson, Mrs. R. H. Baker, Robert Barth, Mrs. R. W. Berke, Mrs. Edward Bevilacqua. Mrs. C. A. Burt, Mr. and Mrs. H. E. Carnes, Mrs. R. D. Coombs, Rolf Corsgren, Mr. and Mrs. John Y. Dater, Jr., Mrs. E. M. Dohrman, Mrs. F. G. Dunham, Miss Ann Dunham, Mr. and Mrs. Norman Emig, Donald Eves, Mrs. G. B. Fetter, Robert H. Gaede, Mrs. J. Howard Gould, Russell Green, Bert Haring, Mrs. D. J. Hendrick, Glen Hohman, Mrs. William Ihnefeldt, Mrs. Irwin Jacobsen, Mrs. Charles Kientzler, Mrs. Edwin Kingsley, Arthur Linz, Stephen Marshall, Christa Mayr, Dr. E. Mayr, Mrs. H. G. McEntee, Mrs. Edmund MacDonald, Mrs. F. J. McKenna, Roger Metzger, C. K. Nichols, Tom Parsons, W. Plaisted, Mrs. H. C. Richmond, Mr. and Mrs. A. E. Runk, Chris Scher, Mrs. E. C. Sherwood, Mrs. Charles Scott, Mr. and Mrs. Harold Stikeman, Mr. and Mrs. Alan Todd, Mrs. J. Van Saun, Mr. and Mrs. A. W. Walter, Mr. and Mrs. C. A. Webster, Chauncey Wood, Mr. and Mrs. Thomas Wright (Ridgewood Audubon Society).

102. Allentown, Pa. (Lake Muhlenberg, Trexler Memorial Park, Lehigh Parkway, 8 miles west to Trexlertown; swampland 60%, pine grove 20%, small ponds 5%, open farmland 5%, deciduous woodlot 10%).—Dec. 31; 8 a.m. to 4:30 p.m. Sunny; temp. 28° to 37°; wind NNW, 1-18 m.p.h.; 1 in. of crusted snow. Twelve observers in 1 party. Total party-hours, 8 (7½ on foot, ½ by car); total party-miles, 48 (18 on foot, 30 by car). Mallard, 52; Black Duck, 163; Am. Widgeon, 10; Green-winged Teal, 1; Hooded Merganser, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 7; Mourning Dove, 1; Long-eared Owl, 3; Belted Kingfisher, 2; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 7; Blue Jay, 2; Am. Crow, 73; Tufted Titmouse, 4; White-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 1; Am. Robin, 7; thrush, 1 [reported as Gray-cheeked, identified by C.F.A.M. and J.E.T., but no further details furnished to substantiate such an unusual record—Ed.]; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 1; Common Starling, 150; Myrtle Warbler, 3; House Sparrow, 108; Cardinal, 8; Purple Finch, 2; Am. Goldfinch, 7; Slate-colored Junco, 59; Am. Tree Sparrow, 10; White-throated Sparrow, 12; Song Sparrow, 9. **Total,** 34 species; 719 individuals.—John Dreisbach, Mr. and Mrs. Russell J. Geiger, Perry F. Kendig, Clinton F. A. Miller, Earl E. Montgomery, Carl E. Montgomery, Chas. D. Peters, John E. Trainer, Mrs. Ralph O. Semmel,

Herman A. Weil, Fred Wetzel (Lehigh Valley Bird Club).

103. Carlisle, Pa. (7½-mile radius centering on the intersection of the 77° 20′ meridian with the Pa. Turnpike, and including Doubling Gap, Huntsdale, and Big Spring; open farmland 50%, town suburbs 20%, creek edges 15%, mixed woodland 10%, spring banks 5%).—Dec. 26; 7 a.m. to 5 p.m. Cloudy with snow falling; temp. 18° to 20°; wind NE, 8-12 m.p.h.; ground covered with 2-3 in. of fresh snow; water in most places unfrozen except small ponds. Five observers in 2 parties. Total party-hours, 11 (1 on foot, 10 by car); total party-miles, 90½ (1½ on foot, 89 by car). Marsh Hawk, 1; Killdeer, 3; Mourning Dove, 4; Yellow-shafted Flicker, 3; Downy Woodpecker, 3; Blue Jay, 4; Am. Crow, 307; Black-capped Chickadee, 2; Tufted Titmouse, 2; White-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 1; Golden-crowned Kinglet, 4; Common Starling, 178; House Sparrow, 122; Rusty Blackbird, 8; Cardinal, 27; Slate-colored Junco, 36; Am. Tree Sparrow, 69; White-throated Sparrow, 13; Song Sparrow, 9. **Total** 21 species; 799 individuals. (Seen in area on Dec. 23: Eastern Towhee, 1.)—Forrest C. Grimm (compiler), Mr. and Mrs. John C. Grimm, Mr. and Mrs. Harold Van Riper.

104. Clairton, Pa. (City Park, Peters Creek bottoms, vicinity of Large, Jefferson Township, Coal Valley, Glass Run mine; open farmland 20%, town suburbs 35%, deciduous woodlands 45%).—Dec. 30; 9 a.m. to 5 p.m. Overcast, hazy; temp. 34° to 38°; wind calm; 3-5-in. snow; streams open; ponds frozen. One observer. Total hours, 8 (on foot); total miles, 9 (on foot). Am. Crow, 2; Black-capped Chickadee, 4; Tufted Titmouse, 5; Carolina Wren, 1; Common Starling, 29; House Sparrow, 31; Cardinal, 28; Am. Goldfinch, 4; Slate-colored Junco, 8; Am. Tree Sparrow, 16; Song Sparrow, 6. **Total,** 11 species; 134 individuals. (Seen in area Jan. 3: Downy Woodpecker, 1 at feeder. Fresh tracks, Ring-necked Pheasant.)—Ellis H. Shimp.

105. Deer Creek (Allegheny Co.), Pa. (Denny's Pond to Carson's, both sides of creek; Allegheny River, Hulton Bridge to upper end of 14-Mile Island; some outlying sections covered by 1 party by car; deciduous woodland 70%, open farmland 20%, marsh 5%, urban territory 5%).—Dec. 31; 8 a.m. to 3 p.m. Clear; temp. 20° to 30° wind NW, 5-20 m.p.h.; ground covered with 1-10 in. of snow; river high, some ice on shore lines. Five observers in 2 parties. Total party-hours, 14 (11 on foot, 3 by car); total party-miles, 26 (10 on foot, 16 by car). Mallard, 2; Black Duck, 126; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Mourning Dove, 1; Hairy Woodpecker, 6; Downy Woodpecker, 12; Am. Crow, 8; Black-capped Chickadee, 13; Tufted Titmouse, 42; White-breasted Nuthatch, 11; Winter Wren, 4; Golden-crowned Kinglet, 2; Common Starling, 54; House Sparrow, 18; Cardinal, 14; Am. Goldfinch, 5; Slate-colored Junco, 14; Am. Tree Sparrow, 9; Song Sparrow, 13. **Total,** 20 species; 356 individuals.—Mr. and Mrs. C. R. Manley, Jr., J. Reed Longdon, V. J. Gobert, R. A. Hawker.

106. Elverson (Chester Co.), Pa. (7½-mile radius from Marsh P. O.; cedar groves and thickets 10%, meadows and swampland 25%, deciduous woods 25%, upland fields 40%).—Dec. 30; 7 a.m. to 6 p.m. Clear, cloudy in p.m.; temp. 32° to 40°; wind NW, 1-5 m.p.h.; ground partly covered with ice and snow. Five observers in 2 parties. Total party-hours, 36 (30 on foot, 6 by car); total party-miles, 80 (25 on foot, 55 by car). Mallard, 12; Turkey Vulture, 2; Cooper's Hawk, 3; Red-tailed Hawk, 6, Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 9; Ruffed Grouse, 3; Bob-white, 4; Ring-necked Pheasant, 20; Killdeer, 5; Wilson's Snipe, 13; Mourning Dove, 1; Screech Owl, 1; Horned Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 14; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 33; Horned Lark, 200; Blue Jay, 3; Am. Crow, 495; Black-capped Chickadee, 27; Tufted Titmouse, 42; White-breasted Nuthatch, 7; Winter Wren, 3; Carolina Wren, 1; Mockingbird, 1; Am. Robin, 2; Hermit Thrush, 1; Eastern Bluebird, 19; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 2; Common Starling, 280; Myrtle Warbler, 9; House Sparrow, 160; Eastern Meadowlark, 24; Red-winged Blackbird, 73; Brown-headed Cowbird, 6; Cardinal, 61; Purple Finch, 65; Am. Goldfinch, 39; Slate-colored Junco, 231; Am. Tree Sparrow, 167; Field Sparrow, 1; White-throated sparrow, 76; Swamp Sparrow, 8; Song Sparrow, 124; Snow Bunting, 6. **Total,** 51 species; 2275 individuals.—Robert Cook, Barry and Robert Kruppenbach, Eugene Hollinger, Arthur Sigman.

107. Glenolden, Pa. (15-mile diameter area in Delaware County, including Delaware River, Tinicum Marshes, Springton Reservoir, Darby, Crum, Ridley and Chester Creek valleys, also Haverford College grounds in Montgomery County; deciduous woodland 20%, town suburbs 20%, uncultivated fields 10%, farmland 5%, marsh 30%, water 10%, pine woods 5%).—Dec. 31; 6 a.m. to 5 p.m. Clear; temp. 34° to 40°; wind NW, 5 m.p.h.; ground bare; river free of ice; reservoir mostly frozen. Twenty-three observers in 9 parties. Total party-hours, 81 (48 on foot, 31½ by car, 1½ by boat); total party-miles, 262 (70 on foot, 190 by car, 2 by boat). Pied-billed Grebe, 3; Great Blue Heron, 7; Canada Goose, 50; Mallard, 355; Black Duck, 2316; Am. Widgeon, 34; Pintail, 15,000 (est.); Green-winged Teal, 14; Ring-necked Duck, 16; Greater Scaup, 15; Lesser Scaup, 6; Am. Golden-eye, 1; Buffle-head, 4; Old-squaw, 1; Ruddy Duck, 79; Hooded Merganser, 1; Am. Merganser, 36; Red-breasted Merganser, 3; Turkey Vulture, 1; Sharp-shinned Hawk, 5; Cooper's Hawk, 6; Red-tailed Hawk, 33; Red-shouldered

Hawk, 7; Rough-legged Hawk, 4; Bald Eagle, 5; Marsh Hawk, 34; Sparrow Hawk, 25; Ring-necked Pheasant, 4; King Rail, 1 (J.C.M., C.E.P.); Florida Gallinule, 2 (seen by two parties); Am. Coot, 3; Killdeer, 32; Wilson's Snipe, 2; Great Black-backed Gull, 4; Herring Gull, 1250; Ring-billed Gull, 65; Mourning Dove, 4; Barn Owl, 3; Screech Owl, 1; Horned Owl, 1 (P.S.); Short-eared Owl, 3; Belted Kingfisher, 9; Yellow-shafted Flicker, 8; Yellow-bellied Sapsucker, 1 (V.A.D.); Hairy Woodpecker, 7; Downy Woodpecker, 58; Eastern Phoebe, 2; Horned Lark, 164; Blue Jay, 15; Am. Crow, 834; Fish Crow, 2; Black-capped Chickadee, 7; Carolina Chickadee, 2; Tufted Titmouse, 86; White-breasted Nuthatch, 45; Brown Creeper, 17; House Wren, 1 (J.A.G.); Winter Wren, 7; Carolina Wren, 5; Mockingbird, 4; Am. Robin, 3; Hermit Thrush, 2; Eastern Bluebird, 13; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 1 (V.A.D.); Cedar Waxwing, 6; Common Starling, 1569; Myrtle Warbler, 4; Common Yellowthroat, 3; House Sparrow, 365; Eastern Meadowlark, 21; Red-winged Blackbird, 950; Brown-headed Cowbird, 53; Cardinal, 87; Purple Finch, 2; Am. Goldfinch, 37; Eastern Towhee, 1; Savannah Sparrow, 44; Vesper Sparrow, 2 (D.C.); Slate-colored Junco, 252; Am. Tree Sparrow, 144; Field Sparrow, 46; White-throated Sparrow, 290; Fox Sparrow, 8; Swamp Sparrow, 29; Song Sparrow, 229. **Total,** 86 species; 24,889 individuals. (Seen in Tinicum Marshes Dec. 27, Blue-winged Teal; Dec. 29, Catbird, J.C.M.)—F. P. Corbett, David Cutler, Mr. and Mrs. V. A. Debes, Howard Donaghy, Mr. and Mrs. John A. Gillespie, Leon E. Goff, James Harvey, Bill Jay, R. P. Kroon, Jesse R. Lamplugh, John C. Miller, Richard F. Miller, Bruce Oakley, Glenna Pay, Chas. E. Price, Jr., Edward H. Rigby (compiler), E. H. Rigby, 3rd., James P. Rigby, Mrs. Robert Robinson, Hugh A. Sargent, Paul Schwalbe (Delaware Valley Ornithological Club).

108. Harrisburg, Pa. (7½-mile radius centering on point in Camp Hill, including Marsh Run and Wildwood Park; mixed woodland 60%, farmland 15%, pond, swamps and marsh 10%, river and creeks 10%, suburbs 5%).—Dec. 26; 7:30 a.m. to 5:15 p.m. Cloudy; snowing; temp. 19° to 20°; wind E to NE, 1-8 m.p.h.; ground covered with 2-7-in. snow; ice on ponds; creeks and river open, slush ice. Eight observers in 3 parties. Total party-hours, 21¼ (19½ on foot, 1¾ by car); total party-miles, 67 (15 on foot, 52 by car). Horned Grebe, 1; Mallard, 195; Black Duck, 181; Am. Widgeon, 1; Pintail, 10; Green-winged Teal, 2; Greater Scaup, 1; Am. Golden-eye, 22; Bufflehead, 13; Old-squaw, 1; Hooded Merganser, 2; Am. Merganser, 23; Red-shouldered Hawk, 1; Ring-necked Pheasant, 17; Mourning Dove, 28; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 58; Blue Jay, 3; Am. Crow, 793 (700 est., 93); Black-capped Chickadee, 5; Tufted Titmouse, 41; White-breasted Nuthatch, 11; Brown Creeper, 8; Winter Wren, 19; Carolina Wren, 10; Am. Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 8; Golden-crowned Kinglet, 1; Common Starling, 469; Myrtle Warbler, 8; House Sparrow, 88; Purple Grackle, 5; Cardinal, 144; Am. Goldfinch, 14; Slate-colored Junco, 171; Am. Tree Sparrow, 89; White-throated Sparrow, 22; Song Sparrow, 23. **Total,** 42 species; about 2502 individuals. (Seen in area Dec. 23: Yellow-bellied Sapsucker, 1; Dec. 24: Herring Gull, 2, Ring-billed Gull, 3; Dec. 28: Sparrow Hawk, 1, Eastern Meadowlark, 1, White-crowned Sparrow, 2; Dec. 29: Great Blue Heron, 1; Dec. 30: Field Sparrow, 6; Dec. 31: Cooper's Hawk, 1; Jan. 1: Sharp-shinned Hawk, 1, Red-winged Blackbird, 3, Rusty Blackbird, 10, Swamp Sparrow, 4.)—Belden H. Daniels, E. S. Frey, D. L. Knohr (compiler), E. L. Knohr, Philip N. Myers, Jerome A. Reid, Thomas Schmidt, Charles Trost.

109. Hollsopple, Pa. (area south of Hollsopple extending from the breast of the Quemahoning Reservoir to the southern shore—about 6 miles—mostly on the west side; deciduous woodland 30%, pine plantings 30%, bushy stream beds 20%, roadside 10%, hemlock grove 5%, open field 5%).—Dec. 28; 9 a.m. to 5 p.m. Clear; temp. -10° to 35°; wind light; ground covered with 3-6 in. of crusted snow; entire reservoir frozen. Nine observers in 2 parties. Total party-hours, 15 (14 on foot, 1 by car); total party-miles, 16 (10 on foot, 6 by car). Black Duck, 100 (resting on ice—M.J., S.G.S.); Ruffed Grouse, 1; Ring-necked Pheasant, 1; Pileated Woodpecker, 3 (rare—J.E.L., M.J.); Yellow-bellied Sapsucker, 1 (immature—J.A.L., J.E.L.); Hairy Woodpecker, 5; Downy Woodpecker, 10; Am. Crow, 1170; Black-capped Chickadee, 44; Tufted Titmouse, 1; White-breasted Nuthatch, 3; Brown Creeper, 6; Winter Wren, 2; Golden-crowned Kinglet, 11; Common Starling, 5; House Sparrow, 2; Cardinal, 11; Slate-colored Junco, 54; Am. Tree Sparrow, 7; Song Sparrow, 1. **Total,** 20 species; 1438 individuals. With the exception of recording no hawks, this count was better than usual.—Stanwyn G. Shetler, Leonard K. Shetler, Norma R. Cable, Merle Jacobs, Paul Jacobs, Bernard Showalter, Delories Pebley, John E. Lehman, John A. Lehman.

110. Lancaster, Pa. (7½-mile radius centering at Slackwater including a stretch of the Conestoga and Susquehanna Rivers; pasture 15%, plowed land 20%, heavy woodland 30%, suburbs 10%, rivers, etc., 15%, parks and orchards 10%).—Dec. 31; 8 a.m. to 4 p.m. Clear; temp. 30° to 32°; wind NW, 10 m.p.h.; trees, shrubs, grass, etc., covered ¼-in. ice; Susquehanna River 98% iced over. Thirteen observers in 5 parties. Total party-hours, 78 (69 on foot, 9 by car); total party-miles, 132 (37 on foot, 95 by car). Great Blue Heron, 1; Whistling Swan, 6; Mallard, 10; Black Duck, 346; Am. Merganser, 53; Red-breasted Merganser, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Bald

Eagle, 3; Marsh Hawk, 3; Peregrine Falcon, 3; Pigeon Hawk, 1; Sparrow Hawk, 9; Ring-necked Pheasant, 63; Herring Gull, 7; Mourning Dove, 21; Barn Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 26; Eastern Phoebe, 1; Horned Lark, 75; Blue Jay, 2; Am. Crow, 2738; Black-capped Chickadee, 13; Tufted Titmouse, 23; White-breasted Nuthatch, 5; Brown Creeper, 7; House Wren, 1; Winter Wren, 9; Carolina Wren, 8; Am. Robin, 1; Eastern Bluebird, 29; Golden-crowned Kinglet, 11; Common Starling, 1092; House Sparrow, 498; Eastern Meadowlark, 17; Cardinal, 101; Purple Finch, 9; Am. Goldfinch, 88; Eastern Towhee, 1; Slate-colored Junco, 180; Am. Tree Sparrow, 277; Field Sparrow, 17; White-throated Sparrow, 220; Song Sparrow, 43. **Total,** 51 species; 6045 individuals. (Seen Dec. 24: 1 Short-eared Owl.)—Henry C. Brown, Jr., Ruth Sener, Mary Grebinger, H. Ray Woerner, Lloyd V. Hassel, C. Y. Tanger, Louise Tanger, Carl Fasnacht, Russell Markert, Margaret Rusk, Margaret Bingeman, John LeFevre, K. B. Corbett (Lancaster County Bird Club).

111. Lewisburg, Pa. (southeast to Chillisquaque Creek at foot of Montour Ridge, north through Montandon and east to Kincaid Swamp, back to Susquehanna River and south along each side to Winfield and Sunken Gardens; mixed woodland 45%, farmland 10%, cattail marsh 10%, river bank 30%, suburbs 5%).—Dec. 30; 5:45 a.m. to 6 p.m. Cloudy, heavy fog; temp. 20° to 36°; wind none; heavy frost; ground covered by 5-in. snow, with crust. Five observers in 2 parties. Total party-hours, 53 (46 on foot, 7 by car); total party-miles, 82 (18 on foot, 64 by car). Black Duck, 37; Am. Golden-eye, 45; Hooded Merganser, 2; Am. Merganser, 9; Red-breasted Merganser, 1; Cooper's Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 16; Mourning Dove, 14; Horned Owl, 1; Pileated Woodpecker, 3; Hairy Woodpecker, 8; Downy Woodpecker, 17; Horned Lark, 20; Am. Crow, 7000; Fish Crow, 1; Black-capped Chickadee, 16; Tufted Titmouse, 16; White-breasted Nuthatch, 14; Brown Creeper, 5; Winter Wren, 4; Long-billed Marsh Wren, 1; Catbird, 1; Golden-crowned Kinglet, 21; Water Pipit, 1; Common Starling, 200; House Sparrow, 59; Cardinal, 35; Purple Finch, 7; Pine Siskin, 25; Am. Goldfinch, 29; Slate-colored Junco, 38; Am. Tree Sparrow, 136; Field Sparrow, 2; Song Sparrow, 75. **Total,** 38 species; 7864 individuals. (Seen in area Dec. 29: Carolina Wren, 1.)—Robert Gift, Joan Groulx, Hollis Ross (compiler), David Karraker, Larry McQueen (Bucknell Ornithological Club).

112. Linesville, Pa. (7½-mile radius from point 2 miles southeast of Linesville center, including part of Ohio shore of Pymatuning Reservoir and Conneaut Lake; lake shore 40%, swamp 10%, open fields 25%, towns 5%, mixed woods 20%).—Dec. 30; 8:30 a.m. to 4:15 p.m. Frosty, hazy, cloudy; temp 18° to 25°; wind none; ground covered with 8-10-in. crusted snow, both lakes entirely frozen. Seven observers in 1 party. Total party-hours, 7 (5 on foot, 2 by car); total party-miles 65 (5 on foot, 60 by car). Canada Goose, 1000 (est.); Mallard, 600 (est.); Black Duck, 250 (est.); Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 5; Yellow-shafted Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 15; Blue Jay, 7; Am. Crow, 3; Black-capped Chickadee, 17; White-breasted Nuthatch, 14; Brown Creeper, 2; Ruby-crowned Kinglet, 3; Common Starling, 23; House Sparrow, 73; Red-winged Blackbird, 1; Cardinal, 19; Am. Goldfinch, 8; Slate-colored Junco, 60; Am. Tree Sparrow, 24; Fox Sparrow, 1; Song Sparrow, 5; Snow Bunting 4. **Total,** 28 species; about 2147 individuals. (Evening Grosbeaks reported at Edinboro, Pa., Dec. 21.)—Mr. and Mrs. H. B. Richardson, Thomas Richardson, Frances Berry, Sara Flaugh, Mr. and Mrs. H. Chester Pees (Meadville Bird and Tree Club).

113. Lititz, Pa. (center of Lititz in northern Lancaster County to 7 miles north, Hammer Creek Valley area, White Oak Pond; town suburbs 10%, deciduous farm woodlots 30%, pastures 60%).—Dec. 24; 8 a.m. to 3:30 p.m. Cloudy; temp. 28° to 38°; wind S, 1-5 m.p.h.; ponds frozen, creeks open, 1-in. snow. Seven observers in 3 parties. Total party-hours, 49 (45 on foot, 4 by car); total party-miles, 48 (33 on foot, 15 by car). Mallard, 7; Black Duck, 5; Wood Duck, 3; Turkey Vulture, 10; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 7; Rough-legged Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 13; Ring-necked Pheasant, 235; Killdeer, 2; Mourning Dove, 32; Barn Owl, 2; Screech Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 27; Blue Jay, 3; Am. Crow, 1004; Black-capped Chickadee, 2; Tufted Titmouse, 18; White-breasted Nuthatch, 12; Brown Creeper, 3; Winter Wren, 2; Carolina Wren, 2; Eastern Bluebird, 12; Ruby-crowned Kinglet, 2; Common Starling, 3579; Myrtle Warbler, 5; House Sparrow, 622; Eastern Meadowlark, 4; Red-winged Blackbird, 3; Rusty Blackbird, 20; Cardinal, 51; Am. Goldfinch, 140; Slate-colored Junco, 508; Am. Tree Sparrow, 1257; White-throated Sparrow, 12; Song Sparrow, 227. **Total,** 41 species; 7853 individuals.—Barton L. Sharp, William Light, Donald Weir, Charles Regennas, Robert Buch, Donald Ruhl, Paul Seaber, Jr. (Lititz Bird Club).

114. New Bloomfield, Pa. (7½-mile radius centering on Main and Carlisle Sts., and including Green Park, Wila and Sherman's Creek from Delville to Bridgeport; pasture 15%, plowed land 35%, town suburbs 5%, deciduous farm woodlots 40%, hemlock groves 5%).—Dec. 31; 6:30 a.m.

to 5 p.m. Partly cloudy; temp. 25° to 35°; wind NW, 10 m.p.h.; ground covered with 2-4-in. crusted snow; smaller ponds frozen, springs and larger creeks mostly open. Eight observers in 3 parties. Total party-hours, 26 (20 on foot, 6 by car); total party-miles, 156 (16 on foot, 140 by car). Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 5; Ruffed Grouse, 7; Bob-white, 2; Wilson's Snipe, 1; Mourning Dove, 16; Horned Owl, 5; Long-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 22; Horned Lark, 65 (including 10 identified as Prairie—white line over eye and very pale yellow throat seen at close range by O.K.S.); Blue Jay, 2; Am. Crow, 338; Black-capped Chickadee, 2; Tufted Titmouse, 30; White-breasted Nuthatch, 7; Brown Creeper, 2; Winter Wren, 6; Carolina Wren, 2; Am. Robin, 1; Eastern Bluebird, 20; Golden-crowned Kinglet, 9; Common Starling, 400; Myrtle Warbler, 3; House Sparrow, 290; Eastern Meadowlark, 112; Brown-headed Cowbird, 38; Cardinal, 65; Am. Goldfinch, 4; Slate-colored Junco, 197; Am. Tree Sparrow, 37; Field Sparrow, 1; White-crowned Sparrow, 7; White-throated Sparrow, 15; Song Sparrow, 22. **Total,** 39 species; 1745 individuals.—E. Bernheisel, F. L. Fry, Sr., L. Fry, F. M. Magee, Mr. and Mrs. Leroy Myers, J. K. Soule, O. K. Stephenson (compiler).

115. Philadelphia Region, Pa (7½-mile radius from Oak Lane Reservoir; downtown city and row homes 30%, suburbs 14%, creek valleys with deciduous woodland 14%, with evergreen woodland 10%, open farmlands and fallow fields 14%, nurseries 4%, parks 7%, riverbanks 6%, fresh-water marsh 1%).—Dec. 23; 4:30 a.m. to 5 p.m. Hazy to clear; temp. 28° to 38°; wind S, 6.3 m.p.h.; light snow underfoot, drift ice in rivers. Sixteen observers in 7 parties. Total party-hours, 46 (32 on foot, 14 by car); total party-miles, 255 (53 on foot, 202 by car). Horned Grebe, 2; Double-crested Cormorant, 1; Great Blue Heron, 8; Black-crowned Night Heron, 5; Mallard, 25; Black Duck, 1635; Pintail, 750; Green-winged Teal, 3; Lesser Scaup, 4; Am. Golden-eye, 16; Ruddy Duck, 28; Am. Merganser, 163; Turkey Vulture, 1; Sharp-shinned Hawk, 4; Cooper's Hawk, 5; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Peregrine Falcon, 1; Sparrow Hawk, 16; Ring-necked Pheasant, 2; Killdeer, 26; Herring Gull, 1925; Ring-billed Gull, 535; Bonaparte's Gull, 1; Mourning Dove, 1; Barn Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 9; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 33; Horned Lark, 60; Blue Jay, 10; Am. Crow, 125; Fish Crow, 1; Black-capped Chickadee, 14; Carolina Chickadee, 10; Tufted Titmouse, 66; White-breasted Nuthatch, 15; Brown Creeper, 13; Winter Wren, 9; Carolina Wren, 7; Mockingbird, 1; Catbird, 2; Am. Robin, 10; Eastern Bluebird, 6; Golden-crowned Kinglet, 38; Ruby-crowned Kinglet, 2; Common Starling, 1500; Myrtle Warbler, 1; House Sparrow, 480; Eastern Meadowlark, 9; Red-winged Blackbird, 8; Cardinal, 40; Purple Finch, 31; Am. Goldfinch, 79; Eastern Towee, 2; Savannah Sparrow, 21; Slate-colored Junco, 222; Am. Tree Sparrow, 159; Chipping Sparrow, 1; Field Sparrow, 46; White-throated Sparrow, 153; Fox Sparrow, 3; Swamp Sparrow, 4; Song Sparrow, 86. **Total,** 66 species; 8455 individuals.—T. Allendorf, J. Arnett, W. Bauers, B. Berkowitz, Jr., E. Borne, D. Cutler, E. Gordon, J. Harvey, W. Jay, F. McLaughlin, R. Miller, H. and E. Moore, J. Potter, E. Reimann, C. Tracy (Delaware Valley Ornith. Club).

116. Reading, Pa. (7½-mile radius centering 2 miles northeast of city, including Lake Ontelaunee and Birdsboro; deciduous woodland 30%, open farmland 30%, lakes and ponds 10%, streams and river bottom 20%, young pine plantation 10%).—Dec. 24; 8 a.m. to 4 p.m. Cloudy with occasional showers; temp. 32° to 40°; wind W, 5 m.p.h.; ground covered with 1-in. crusted snow; lake frozen except 4 spring holes. Twenty-one observers in 5 parties. Total party-hours, 39 (22 on foot, 17 by car); total party-miles, 157 (37 on foot, 120 by car). Pied-billed Grebe, 1; Mallard, 658; Black Duck, 3450; Gadwall, 1; Am. Widgeon, 152; Pintail, 8; Green-winged Teal, 4; Shoveller, 4; Hooded Merganser, 3; Am. Merganser, 60; Turkey Vulture, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Am. Coot, 9; Herring Gull, 29; Ring-billed Gull, 8; Mourning Dove, 17; Belted Kingfisher, 8; Yellow-shafted Flicker, 5; Hairy Woodpecker, 4; Downy Woodpecker, 37; Eastern Phoebe, 2; Horned Lark, 35 (Northern, 30; Prairie, 5); Blue Jay, 13; Am. Crow, 1535; Fish Crow, 4; Black-capped Chickadee, 24; Tufted Titmouse, 45; White-breasted Nuthatch, 9; Brown Creeper, 9; Winter Wren, 2; Catbird, 1; Am. Robin, 1; Eastern Bluebird, 12; Golden-crowned Kinglet, 31; Ruby-crowned Kinglet, 20; Cedar Waxwing, 12; Common Starling, 9331; Myrtle Warbler, 18; House Sparrow, 188; Cardinal, 51; Purple Finch, 53; Am. Goldfinch, 47; Eastern Towee, 1; Slate-colored Junco, 371; Am. Tree Sparrow, 170; Field Sparrow, 7; White-throated Sparrow, 74; Song Sparrow, 36. **Total,** 54 species (1 additional subspecies); 16,576 individuals.—Barry Bressler, Donald Burger, Ernest Christman, Robert Cooke, Robert Corrigan, David Diener, Stuart Dreibelbis, Samuel Gundy, Edward Hill, Warren Kalbach, Elwood Manning, Paul Martin, James McIntyre, Earl Poole, William Reger, Rodney Rhoads, Charles Schaich, Arthur Sigman, Matthew Spence, Ira Weigley, Samuel Wishnieski (Baird Ornithological Club).

117. Richboro, Pa. (7½-mile radius centering on firehouse, including woods and fields south of Ironworks Cr., reservoir and at head waters of same wooded area east of Little Neshaminy Cr. between Grenoble and Rushland; along Neshaminy Creek north from Newtown along Swamp Rd.; second growth hardwood forest 60%, open

fields and pastures 20%, brush grown fields 10%, evergreen woods 5%, marshland 5%).—Dec. 30; 7 a.m. to 5 p.m. Clear to overcast in p.m.; temp. 20° to 40°; wind 0-5 m.p.h.; heavy frost in a.m., all lakes frozen, streams 80% open, no snow on ground. Twelve observers in 7 parties. Total party-hours, 24 (20 on foot, 4 by car); total party-miles, 68 (29 on foot, 39 by car). Great Blue Heron, 2 (L.M., L.S.T.); Canada Goose, 2; Mallard, 350; Black Duck, 1; Ruddy Duck, 2; Cooper's Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 13; Ring-necked Pheasant, 2; Mourning Dove, 18; Screech Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 11; Eastern Phoebe, 1; Horned Lark, 5; Blue Jay, 4; Am. Crow, 778; Black-capped Chickadee, 3; Tufted Titmouse, 19; White-breasted Nuthatch, 17; Brown Creeper, 1; Winter Wren, 2; Am. Robin, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 3; Common Starling, 318; House Sparrow, 82; Eastern Meadowlark, 1; Purple Grackle, 1; Cardinal, 8; Am. Goldfinch, 1; Slate-colored Junco, 22; Am. Tree Sparrow, 27; Field Sparrow, 1; White-throated Sparrow, 24; Song Sparrow, 50. **Total,** 41 species; 1799 individuals. (Seen in area Dec. 23: Mockingbird; Dec. 28: Baltimore Oriole (♂); Dec. 31: Red-shouldered Hawk).—Mrs. Alan Brady, Charles Burk, Doris Erdman, A. Herzog, Rose Huston, D. Jardin, L. J. and I. S. McConnell, E. Rhine, G. Riley, Mrs. H. L. Schmidt, L. Thomas (Neshaminy Valley Nature Club).

118. Scranton, Pa. (east and west sides of north branch of Susquehanna River, Pittston, to Falls, Pa., and adjacent territory; open farmland 50%, suburbs 30%, deciduous and evergreen woodland 20%).—Dec. 30; 8:30 a.m. to 4:30 p.m. Overcast; temp. 33° to 34°; wind NE, 8-12 m.p.h.; ground covered with 2-4-in. crusted snow. Six observers in 1 party. Total party-hours, 8 (5 on foot, 3 by car); total party-miles, 35 (5 on foot, 30 by car). Icy roads and hazardous driving conditions prevented other parties from participating. Mallard, 5; Black Duck, 395; Am. Merganser, 36; Ruffed Grouse, 1; Mourning Dove, 4; Yellow-shafted Flicker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 3; Am. Crow, 10; Black-capped Chickadee, 8; White-breasted Nuthatch, 1; Ruby-crowned Kinglet, 1; Cedar Waxwing, 75; Common Starling, 48; House Sparrow, 32; Cardinal, 2; Am. Goldfinch, 11; Slate-colored Junco, 36; Am. Tree Sparrow, 31; Song Sparrow, 4. **Total,** 21 species; 710 individuals.—Kenneth and Paul Widdall, Eugene Marmo, Ronald and David Wharton, Ed. Williams (Scranton Bird Club).

119. Southeastern Bradford County, Pa. (7½-mile radius centering on west end of Camp's Pond, and including Camptown and vicinity and the Susquehanna River from the bridge at Wysox to the bridge at Wyalusing; Susquehanna River 30%, hemlock and mixed hardwoods stands 20%, pine groves 5%, residential areas 10%, deciduous woods 10%, farmland and open fields 25%).—Jan. 1; 5:50 a.m. to 6:15 p.m. Clear; temp. 16° to 38°; wind SE, 1-2 m.p.h.; ground covered with 4-8 in. of crusted snow, all fresh water frozen except part of river and creeks. Two observers in 2 parties. Total party-hours, 13½ (10½ on foot, 3 by car); total party-miles, 94 (10 on foot, 84 by car). Mallard, 3; Black Duck, 44; Am. Golden-eye, 8; Buffle-head, 2; Am. Merganser, 76; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Herring Gull, 6; Mourning Dove, 1; Screech Owl, 1; Horned Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 11; Blue Jay, 10; Am. Crow, 200 (±25); Black-capped Chickadee, 30; Tufted Titmouse, 1; White-breasted Nuthatch, 11; Brown Creeper, 7; Winter Wren, 2; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Common Starling, 75 (±15); House Sparrow, 15; Eastern Meadowlark, 9; Cardinal, 1; Evening Grosbeak, 1; Am. Goldfinch, 8; Red Crossbill, 1; Slate-colored Junco, 50 (±10); Am. Tree Sparrow, 30 (±5); Song Sparrow, 6. **Total,** 36 species; about 626 individuals.—Mr. and Mrs. William W. Reid, Jr.

120. State College, Pa. (town and vicinity, homestead near Nittany Mountain, Shingletown Gap, countryside westward to Pennsylvania Furnace; town and campus 30%, rural homestead 18%, open farmland 5%, ponds and cattail marshes 20%, brushy stream valleys 12%, mixed woodlands 15%).—Dec. 29; 8 a.m. to 5 p.m. Snowing, clear in p.m.; temp. 17° to 35°; wind NE to SW, 1-7 m.p.h.; snow 4-10-in. deep, streams and ponds open. Eight observers in 5 parties. Total party-hours, 24 (20 on foot, 4 by car); total party-miles, 53 (11 on foot, 42 by car). Horned Grebe, 1; Canada Goose, 1; Am. Widgeon, 1; Green-winged Teal, 1; Redhead, 1; Ring-necked Duck, 4; Greater Scaup, 1; Am. Golden-eye, 3; Cooper's Hawk, 2; Sparrow Hawk, 2; Ruffed Grouse, 4; Am. Coot, 2; Short-eared Owl, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 6; Horned Lark, 3; Blue Jay, 3; Am. Crow, 56; Black-capped Chickadee, 12; Tufted Titmouse, 6; White-breasted Nuthatch, 9; Brown Creeper, 1; Hermit Thrush, 1; Golden-crowned Kinglet, 4; Common Starling, 161; House Sparrow, 78; Cardinal, 14; Purple Finch, 4; Am. Goldfinch, 1; Slate-colored Junco, 67; Am. Tree Sparrow, 38; White-throated Sparrow, 3; Swamp Sparrow, 4; Song Sparrow, 21; Snow Bunting, 10. **Total,** 38 species; 532 individuals. (Seen at feeding station Dec. 27: Carolina Wren, 2.)—Mrs. R. W. Barker, Mrs. Arthur Cowell, Mrs. Eugene T. McDonald, Mrs. C. J. Rowland, Ward M. Sharp, Alfred E. Smalley, Merrill Wood, William S. Clarke, Jr.

121. Warren, Pa. (center of town to point 6 miles north, along Conewango Creek, to Dough-

erty Run and Rhine Run area; Allegheny River region 3-4 miles west of town; mature deciduous woodland 40%, open farmland and upland fields 30%, town suburbs 10%, river and creek bottomlands 20%).—Dec. 30; 8 a.m. to 5 p.m. Overcast; temp. 16° to 30°; no wind; ground covered with 8-10 in. of snow, streams partially frozen. Two observers in 1 party. Total hours, 8 (on foot); total miles, 12 (on foot). Black Duck, 1; Am. Golden-eye, 38; Am. Merganser, 36; Red-breasted Merganser, 3; Ruffed Grouse, 1; Herring Gull, 1; Belted Kingfisher, 1; Pileated Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 4; Am. Crow, 1; Black-capped Chickadee, 32; White-breasted Nuthatch, 3; Brown Creeper, 3; Golden-crowned Kinglet, 8; Common Starling, 22; House Sparrow, 32; Cardinal, 5; Pine Siskin, 72; Am. Goldfinch, 132; Slate-colored Junco, 85; Am. Tree Sparrow, 18; White-throated Sparrow, 1; Song Sparrow, 9. **Total,** 24 species; 514 individuals. (Seen in area Dec. 23; Pied-billed Grebe, 2; Mallard, 2; Hooded Merganser, 1.)—T. M. Hampson, H. E. Johnson (compiler).

122. West Chester, Pa. (7½-mile radius; open farmland 55%, overgrown fields 20%, deciduous woods 20%, mixed evergreen planting 2%, serpentine barrens 1%, town suburbs 2%).—Dec. 28; 7:15 a.m. to 5:30 p.m. Morning clear, afternoon heavily overcast, light snow on ground; temp. 2° to 32°; wind occasional, 1 m.p.h.. Forty observers in 15 parties. Total party-hours, 93 (66 on foot, 27 by car); total party-miles, 298 (82 on foot, 216 by car). Great Blue Heron, 5; Black-crowned Night Heron, 2; Canada Goose, 12; Mallard, 91; Black Duck, 116; Hooded Merganser, 2; Am. Merganser, 32; Turkey Vulture, 5; Sharp-shinned Hawk, 3; Cooper's Hawk, 4; Red-tailed Hawk, 9; Red-shouldered Hawk, 11; Marsh Hawk, 1; Sparrow Hawk, 13; Ring-necked Pheasant, 16; Killdeer, 7; Herring Gull, 1; Mourning Dove, 19; Screech Owl, 2; Belted Kingfisher, 12; Yellow-shafted Flicker, 15; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 127; Eastern Phoebe, 3; Horned Lark, 8; Blue Jay, 44; Am. Crow, 7550 (est.); Black-capped Chickadee, 27; Carolina Chickadee, 13; Tufted Titmouse, 181; White-breasted Nuthatch, 88; Brown Creeper, 14; Winter Wren, 4; Carolina Wren, 10; Mockingbird, 1; Catbird, 2; Am. Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 71; Golden-crowned Kinglet, 30; Ruby-crowned Kinglet, 3; Water Pipit, 35; Common Starling, 836; Myrtle Warbler, 8; House Sparrow, 977; Eastern Meadowlark, 37; Brown-headed Cowbird, 1; Cardinal, 153; Evening Grosbeak, 2; Purple Finch, 3; Pine Siskin, 3; Am. Goldfinch, 139; Eastern Towhee, 2; Slate-colored Junco, 974; Am. Tree Sparrow, 390; Field Sparrow, 3; White-throated Sparrow, 430; Swamp Sparrow, 2; Song Sparrow, 183. **Total,** 61 species; 12,754 individuals.—Mrs. Isaac G. Roberts, Mrs. John H. Leitch, Margaret Whitecar, Phyllis Hurlock, Horace H. Way, Laura W. Abbott, Mrs. Taylor A. Herron, Mrs. Cyril K. Bryan, Samuel R. Bucknell, Joanna Bucknell, Mary L. Thomas, Violet L. Findlay, Margaret S. Goodwin, Mrs. William I. Pendergrast, Ruth W. Corbett, Mrs. Abner W. Few, Mr. and Mrs. Joseph Cope, Mr. and Mrs. Frederick Swan, Mrs. Edward Miles, Christopher White, Arthur Hoopes, Mrs. Lewis Marshall, Helen Rhoads, Marian Cheyney, Robert B. Gordon, Fred A. Colwell, Mr. and Mrs. Edward W. Siddall, Jr., Herbert Houston, Arthur T. Sigman, Robert Cook, Eugene Hollinger, Richard Newman, Thomas Morgan, Esther Baldwin, Anna and Florence James, Mrs. E. Shippen Willing (West Chester Bird Club).

123. Wyncote, Pa. (to Baederwood, Brier-Bush, Trevose, Chestnut Hill; deciduous woods 45%, coniferous woods 3%, brushy fields 25%, town suburbs 22%, farmland 5%).—Dec. 24; 7 a.m. to 4 p.m. Cloudy; rain 3 p.m.; temp. 32° to 44°; wind, light; ground bare, ponds frozen. Nineteen observers in 8 parties. Total party-hours, 46 (34 on foot, 12 by car); total party-miles, 65 (26 on foot, 39 by car). Mallard, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 6; Ring-necked Pheasant, 17; Herring Gull, 2; Mourning Dove, 23; Barn Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 20; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 61; Horned Lark, 70; Blue Jay, 15; Am. Crow, 594+; Black-capped Chickadee, 11; Tufted Titmouse, 54; White-breasted Nuthatch, 28; Brown Creeper, 11; Winter Wren, 2; Carolina Wren, 3; Catbird, 1; Am. Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 11; Golden-crowned Kinglet, 47; Ruby-crowned Kinglet, 1; Common Starling, 669+; Myrtle Warbler, 35; House Sparrow, 392+; Eastern Meadowlark, 6; Purple Grackle, 9; Cardinal, 63; Purple Finch, 3; Am. Goldfinch, 30; Eastern Towhee, 2; Savannah Sparrow, 3 (J.H.); Slate-colored Junco, 785; Am. Tree Sparrow, 80; Field Sparrow, 1; White-throated Sparrow, 307; Fox Sparrow, 3; Song Sparrow, 73. **Total,** 47 species; 3465+ individuals.—Andrew Boissevain, Sara Craig, Mr. and Mrs. John Dornan, Lawrence Fickett, William Gericke, Mr. and Mrs. E. S. Griscom, Jay V. Hare, John Holmes, Richard and Thomas Lord, Fred Mears, Mr. and Mrs. Arnold Moore, Jay Schnell, Mrs. Carl Sievert, Mr. and Mrs. Curtis Sooy (Wyncote Bird Club).

124. York, Pa. (approximately same area as in 7 previous years; town suburbs, fields, and countryside, from York east to Susquehanna River, from 3-10 miles north and 2½ miles south; open farmland 50%, deciduous farm woodlots 10%, marshy meadow 5%, woodland and fields along river 30%, town suburbs 5%).—Jan. 1; 7 a.m. to 5:30 p.m. Clear; temp. 29° to 38°; wind WNW, 1-7 m.p.h.; ground covered with 1-2 in. of crusted snow, river covered with ice, few small open spots. Fifteen observers in 7 parties. Total party-hours,

35 (25 on foot, 10 by car); total party-miles, 121½ (17½ on foot, 104 by car). Great Blue Heron, 1; Mallard, 5; Black Duck, 2250 (±100); Pintail, 25; Am. Golden-eye, 8; Am. Merganser, 14; Turkey Vulture, 4; Sharp-shinned Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Marsh Hawk, 4; Peregrine Falcon, 1; Sparrow Hawk, 10; Ring-necked Pheasant, 2; Killdeer, 5; Wilson's Snipe, 7; Herring Gull, 1; Mourning Dove, 40; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Downy Woodpecker, 14; Horned Lark, 100 (±10); Blue Jay, 3; Am. Crow, 5847 (part, est., ±100); Fish Crow, 4; Black-capped Chickadee, 6; Carolina Chickadee, 2; Tufted Titmouse, 35; White-breasted Nuthatch, 5; Brown Creeper, 2; Winter Wren, 5; Carolina Wren, 8; Mockingbird, 3; Am. Robin, 2; Eastern Bluebird, 1; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Common Starling, 4936 (±200); House Sparrow, 384; Eastern Meadowlark, 53; Purple Grackle, 2; Cardinal, 38; Purple Finch, 6; Am. Goldfinch, 27; Slate-colored Junco, 133; Am. Tree Sparrow, 12; Field Sparrow, 12; White-throated Sparrow, 67; Song Sparrow, 33. **Total,** 49 species; 14,128 individuals. (Seen in area Dec. 24: Eastern Phoebe; Dec. 26: Snow Goose, Black-crowned Night Heron).—J. H. Arnold, Eliz. Bilger, Luther Dehoff, Frances Dietz, Verna Dietz, Viola V. Dietz, Marguerite Erickson, Anna Reinecker, M. Dorothy Schwartzer, Ruth Stoner, Elaine Tompkins, Mrs. Williams, Mr. and Mrs. J. T. Yoder, Sylvia Yeager (York County Bird Club).

125. Bombay Hook National Wildlife Refuge (Kent Co.), Del. (from Woodland Beach to Pickering Beach along Delaware Bay [15-mile circle]; Moore Pond and Lake Como bordering on the west, with the refuge itself as a nucleus; bay 20%, marshes 15%, pine and deciduous woods 10%, lakes 5%, rivers and creeks 3%, farmland 47%). —Dec. 24; 5 a.m. to 4 p.m. Partly cloudy; temp. 35° to 43°; wind ESE, 8 m.p.h.; lakes frozen, river and creeks (brackish) open. Twenty observers in 5 parties. Total party-hours, 42 (30 on foot, 10 by car, 2 by boat); total party-miles, 240 (38 on foot, 182 by car, 20 by boat). Pied-billed Grebe, 1; Great Blue Heron, 6; Black-crowned Night Heron, 6; Canada Goose, 500; Mallard, 450; Black Duck, 6875; Gadwall, 89; Am. Widgeon, 16; Pintail, 2000; Green-winged Teal, 135; Blue-winged Teal, 2; Shoveller, 7; Canvas-back, 5; Greater Scaup, 1250; Am. Golden-eye, 30; Buffle-head, 10; Surf Scoter, 1; Ruddy Duck, 4; Hooded Merganser, 6; Am. Merganser, 2; Red-breasted Merganser, 8; Turkey Vulture, 300; Black Vulture, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 5; Rough-legged Hawk, 15; Bald Eagle, 6; Marsh Hawk, 105; Sparrow Hawk, 66; Bob-white, 35; Ring-necked Pheasant, 1; Clapper Rail, 1; Am. Coot, 2; Killdeer, 13; Am. Woodcock, 1; Wilson's Snipe, 6; Greater Yellow-legs, 4; Red-backed Sandpiper, 60; Great Black-backed Gull, 6; Herring Gull, 235; Ring-billed Gull, 87; Mourning Dove, 7; Barn Owl, 12; Horned Owl, 7; Barred Owl, 9; Long-eared Owl, 6; Belted Kingfisher, 4; Yellow-shafted Flicker, 20; Red-bellied Woodpecker, 10; Hairy Woodpecker, 6; Downy Woodpecker, 17; Eastern Phoebe, 4; Horned Lark, 21; Blue Jay, 20; Am. Crow, 3800; Fish Crow, 30; Carolina Chickadee, 51; Tufted Titmouse, 35; Brown Creeper, 13; Winter Wren, 1; Carolina Wren, 37; Mockingbird, 12; Am. Robin, 13; Hermit Thrush, 6; Eastern Bluebird, 6; Golden-crowned Kinglet, 42; Ruby-crowned Kinglet, 6; Cedar Waxwing, 1; Loggerhead Shrike, 7; Common Starling, 7500; Myrtle Warbler, 310; House Sparrow, 250; Eastern Meadowlark, 580; Red-winged Blackbird, 7350; Rusty Blackbird, 35; Purple Grackle, 155; Brown-headed Cowbird, 650; Cardinal, 65; Purple Finch, 6; Am. Goldfinch, 170; Eastern Towhee, 3; Savannah Sparrow, 25; Slate-colored Junco, 80; Am. Tree Sparrow, 415; Field Sparrow, 23; White-throated Sparrow, 325; Fox Sparrow, 1; Swamp Sparrow, 29; Song Sparrow, 105. **Total,** 91 species; 34,645 individuals.—Henry Bush, Joseph M. Cadbury, Walter Corson, David Cutler, Elizabeth Cutler, Herbert S. Cutler (compiler), Francis Crewes, James Harvey, William Jay, Jerome Kessler, Evelyn Kramer, Quintin Kramer, Charles Lyman, John C. Miller, Richard F. Miller, Bruce Oakley, Charles E. Price, Hugh A. Sargent, Paul W. Schwalbe, Charles Wurster.

126. Accokeek, Md. (east side of Potomac River just below mouth of Piscataway Creek, Mockley Point to Brian's Point; area of about 2 square miles comprising river front, cultivated river flat, wooded creek bottom, wooded swamp, cattail marsh, border of adjacent wooded upland, and upland farm).—Dec. 23; 8 a.m. to 4:30 p.m. Clear to cloudy; temp. 24° to 49°; calm; 1 in. of fresh snow in a.m., melting in p.m.; much floating ice on river. Four observers in 3 parties. Total party-hours, 20 (on foot); total party-miles, 19 (on foot). Common Loon, 1; Mallard, 11; Black Duck, 90; Lesser (?) Scaup, 1; Am. Golden-eye, 1; Buffle-head, 17; Ruddy Duck, 4; Am. Merganser, 20; Turkey Vulture, 10; Black Vulture, 5; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Bald Eagle, 5; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 22; Killdeer, 10; Herring Gull, 70; Ring-billed Gull, 35; Mourning Dove, 40; Yellow-shafted Flicker, 15; Pileated Woodpecker, 2; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 25; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 20; Blue Jay, 35; Am. Crow, 15; Carolina Chickadee, 25; Tufted Titmouse, 30; White-breasted Nuthatch, 1; Brown Creeper, 7; Winter Wren, 1; Carolina Wren, 35; Mockingbird, 12; Hermit Thrush, 3; Eastern Bluebird, 30; Golden-crowned Kinglet, 20; Cedar Waxwing, 5; Common Starling, 400; Myrtle Warbler, 12; House Sparrow, 18; Eastern Meadowlark, 50; Red-winged Blackbird, 170; Rusty Blackbird, 45; Purple Grackle, 30; Cardinal, 50; Purple Finch, 3; Am.

Goldfinch, 100; Savannah Sparrow, 6; Slate-colored Junco, 250; Am. Tree Sparrow, 5; Field Sparrow, 10; White-throated Sparrow, 200; Swamp Sparrow, 1; Song Sparrow, 175. **Total,** 57 species; about 2179 individuals.—A. A. Baker, Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey.

127. Catoctin Mountain, Md. (7½-mile radius centered 1.3 miles west of Thurmont; described in 1949; southeastern quarter of area not covered in 1950 due to extremely heavy icing of roads).—Dec. 31; 8:30 a.m. to 5 p.m. Partly cloudy; temp. 22° to 30°; wind NW, 8-12 m.p.h.; ground covered with 2-in. of snow; heavy coating of frozen rain on ground, roads and trees. Six observers in 3 parties. Total party-hours, 20 (8 on foot, 12 by car); total party-miles, 72 (12 on foot, 60 by car). Mallard, 4; Black Duck, 6; Wood Duck, 1; Am. Merganser, 9; Turkey Vulture, 21; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 11; Bob-white, 1; Ring-necked Pheasant, 3; Killdeer, 6; Mourning Dove 3; Yellow-shafted Flicker, 1; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 13; Horned Lark, 2; Blue Jay, 17; Am. Crow, 1640; Carolina Chickadee, 21; Tufted Titmouse, 7; White-breasted Nuthatch, 2; Brown Creeper, 3; Winter Wren, 2; Carolina Wren, 7; Mockingbird, 5; Am. Robin, 2; Eastern Bluebird, 8; Common Starling, 307; House Sparrow, 170; Cardinal, 35; Evening Grosbeak, 1; Am. Goldfinch, 1; Slate-colored Junco, 51; Am. Tree Sparrow, 136; Field Sparrow, 1; White-throated Sparrow, 32; Song Sparrow, 24. **Total,** 40 species; 2562 individuals.—Orville W. Crowder (compiler), Duvall Jones, Tirzah M. Sandy, John Stauffer, Martha Stauffer, Dr. Ralph S. Stauffer (Washington County Bird Club, Maryland Ornithological Society).

128. Chase, Md. (7½-mile radius centered on Days Cove at the mouth of the Gunpowder River aind including parts of Baltimore and Harford Counties; tidal estuaries 35%, lowland mixed woods 30%, upland deciduous forest 15%, agricultural land and old fields 15%, marsh 5%).—Dec. 31; 6:15 a.m. to 5:45 p.m. Clear; temp. 25° to 35°; wind NE-N-NW, 10-20 m.p.h.; ground bare, about 60% of water area frozen; early morning hours cloudy, some haze persisting throughout the day. Twenty-four observers in 8 parties. Total party-hours, 58 (35 on foot, 23 by car); total party-miles, 269 (36 on foot, 233 by car). Horned Grebe, 2; Great Blue Heron, 4; Whistling Swan, 547; Canada Goose, 53; Mallard, 11; Black Duck, 371; Gadwall, 12; Am. Widgeon, 1109; Pintail, 1; Green-winged Teal, 7; Blue-winged Teal, 1; Redhead, 403; Ring-necked Duck, 4: Canvas-back, 701; scaup (sp.), 96; Am. Golden-eye, 46; Buffle-head, 15; Old-squaw, 1; Ruddy Duck, 29; Hooded Merganser, 37; Am. Merganser, 82; Red-breasted Merganser, 2; Turkey Vulture, 74; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; **Bald Eagle,** 31; Marsh Hawk, 18; Osprey, 2 (arrived from NW with 2 buteos, spiraled directly overhead at Oliver Pt., where studied through 7 x 50 glasses at 300 ft.; observers thoroughly familiar with Osprey and with rarity at this season—A.S., C.B., J.M., W.McH., R.S., A.W.); Sparrow Hawk, 10; Bob-white, 6; King Rail, 1; **Virginia Rail,** 7; Am. Coot, 45; Killdeer, 18; Wilson's Snipe, 1; Greater Yellow-legs, 1; Herring Gull, 178; Ring-billed Gull, 70; Mourning Dove, 1; Horned Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 35; Red-bellied Woodpecker, 29; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 19; Downy Woodpecker, 33; Eastern Phoebe, 1; Horned Lark, 13; Blue Jay, 131; Am. Crow, 628; Fish Crow, 5; Carolina Chickadee, 72; Tufted Titmouse, 47; White-breasted Nuthatch, 10; Brown Creeper, 8; Winter Wren, 12; Carolina Wren, 58; Long-billed Marsh Wren, 1; Mockingbird, 14; Am. Robin, 24; Hermit Thrush, 2; Eastern Bluebird, 56; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 2; Cedar Waxwing, 27; Common Starling, 2838; Myrtle Warbler, 126; House Sparrow, 394; Eastern Meadowlark, 67; Red-winged Blackbird, 1175; Rusty Blackbird, 3; Brown-headed Cowbird, 67; Cardinal, 112; Purple Finch, 10; Am. Goldfinch, 171; Eastern Towhee, 27; Savannah Sparrow, 7; Slate-colored Junco, 638; Am. Tree Sparrow, 102; Field Sparrow, 36; White-throated Sparrow, 335; Swamp Sparrow, 47; Song Sparrow, 182. **Total,** 87 species; 11,595 individuals.—T. M. Brannan, Charles Buchanan, Richard Cole, Orville Crowder, George Drumm, Nelson Edwards, Mrs. Basil M. Gregory, Thomas A. Imhof, Duvall Jones, Haven Kolb (compiler), Seth H. Low, John Mason, William McHoul, Marcia Newell, Dorothy Rice, Chandler S. Robbins, Evans Roberts, T. M. Sandy, Andrew Simon, Richard Simon, Gordon Vars, Jack Weaver, Edwin Willis, Armour Winslow (Maryland Ornithological Society).

129. Cumberland, Md. (same area as last year, when listed under the heading "Allegany County, Md.," 7½-mile radius centering on Collier's Mt. E. of Cumberland, including the C&O Canal 4 mi. E., Constitution Park N. to Evitts Creek, Spring Gap to Rush to Oldtown; woodland 50%, town suburbs 10%, cleared fields 25%, Canal bed 15%).—Dec. 23; 8 a.m. to 4:30 p.m. Clear in a.m., cloudy in p.m.; temp. 33° to 36°; wind none; 3-in. snow on ground, ice on streams and pond edges. Thirteen observers in 5 parties. Total party-hours, 28 (23 on foot, 5 by car); total party-miles, 63 (16 on foot, 47 by car). Mallard, 33; Red-tailed Hawk, 2; Peregrine Falcon, 1; Bob-white, 12; Killdeer, 4; Yellow-shafted Flicker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 48; Horned Lark, 30; Blue Jay, 5; Am. Magpie, 1 (well seen—J.J.F.D.); Am. Crow, 42; Black-capped Chickadee, 15; Tufted Titmouse, 46; White-breasted Nuthatch, 9; Brown Creeper, 5;

Carolina Wren, 14; Mockingbird, 1; Am. Robin, 2; Hermit Thrush, 1; Eastern Bluebird, 7; Golden-crowned Kinglet, 2; Cedar Waxwing, 2; Common Starling, 106; Myrtle Warbler, 1; House Sparrow, 113; Cardinal, 157; Evening Grosbeak, 1; Am. Goldfinch, 12; Slate-colored Junco, 352; Am. Tree Sparrow, 308; White-crowned Sparrow, 2; White-throated Sparrow, 4; Song Sparrow, 14. **Total,** 34 species; 1356 individuals.—Mrs. T. M. Andrews, James J. F. Deetz, Margaret Hafer, Jon De Hart, Neil Smith, Kent Smith, Bill Scott, Richard Johnson, Gilbert M. Miller, Helen B. Miller, Patricia Taschenberger, Harry Miller, Leonard M. Llewellyn (Allegany County Bird Club).

130. Denton (Caroline Co.), Md. (7½-mile radius from a point 1 mile north of Denton, excluding areas outside of Caroline County; deciduous forest 30%, grassy fields 30%, shrubby fields 20%, tidal marshes 10%, fresh water ponds 5%, coniferous forest 5%).—Dec. 23; 6:40 a.m. to 5 p.m. Mostly clear; temp. 25° to 47°; wind S to SW, 1-7 m.p.h.; ground frozen, thinly covered with light snow, melting by noon, ponds frozen, streams open except along banks. Four observers in 3 parties. Total party-hours, 20 (13½ on foot, 6½ by car); total party-miles, 129 (10 on foot, 119 by car). Great Blue Heron, 2; Wood Duck, 2; Turkey Vulture, 96; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 7; Sparrow Hawk, 22; Bob-white, 11; Killdeer, 4; Herring Gull, 27; Mourning Dove, 114; Belted Kingfisher, 3; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 12; Eastern Phoebe, 8; Horned Lark, 61; Blue Jay, 21; Am. Crow, 52; Carolina Chickadee, 66; Tufted Titmouse, 16; Brown Creeper, 3; Carolina Wren, 18; Mockingbird, 14; Am. Robin, 1; Hermit Thrush, 8; Eastern Bluebird, 36; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 2; Common Starling, 338; Myrtle Warbler, 10; House Sparrow, 118; Eastern Meadowlark, 153; Purple Grackle, 1; Brown-headed Cowbird, 30; Cardinal, 39; Am. Goldfinch, 35; Eastern Towhee, 12; Slate-colored Junco, 150; Am. Tree Sparrow, 4; Field Sparrow, 35; White-throated Sparrow, 52; Song Sparrow, 28. **Total,** 47 species; 1634 individuals. (Unidentified ducks, 37; Bald Eagle, 1, seen in area on census day by a friend.)—Mr. and Mrs. A. J. Fletcher, Marvin Hewitt, A. May Thompson.

131. Gibson Island, Md. (island of approximately 1000 acres located at juncture of Magothy River and Chesapeake Bay; shore line 8 miles (2 miles on bay); pond area 6 acres, 600 acres deciduous trees, 200 acres scrub pine, 5 acres cattail marsh, 200 acres residential).—Dec. 30; 5 a.m. to 4 p.m. Mostly clear; temp. 28° to 34°; wind W, 0-5 m.p.h.; all fresh water frozen; floating ice in bay. Seven observers in 1 party. Total party-hours, 11 (8 on foot, 3 by car); total party-miles, 5 (3 on foot, 2 by car). Great Blue Heron, 3; Whistling Swan, 380; Canada Goose, 102; Am. Widgeon, 25; Redhead, 31; Canvas-back, 490; Greater Scaup, 73; Am. Golden-eye, 22; Buffle-head, 11; Old-squaw, 2; Ruddy Duck, 758; Am. Merganser, 1; Turkey Vulture, 1; Bob-white, 16; Killdeer, 2; Herring Gull, 5; Ring-billed Gull, 5; Mourning Dove, 5; Screech Owl, 3; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 5; Eastern Phoebe, 1; Blue Jay, 7; Am. Crow, 18; Fish Crow, 3; Carolina Chickadee, 17; Tufted Titmouse, 10; Winter Wren, 2; Carolina Wren, 16; Mockingbird, 18; Hermit Thrush, 5; Eastern Bluebird, 10; Ruby-crowned Kinglet, 5; Common Starling, 38; Myrtle Warbler, 16; House Sparrow, 30; Cardinal, 43; Purple Finch, 2; Am. Goldfinch, 30; Slate-colored Junco, 102; Am. Tree Sparrow, 1; Field Sparrow, 5; White-throated Sparrow, 95; Swamp Sparrow, 5; Song Sparrow, 59. **Total,** 49 species; 2495 individuals.—Charles Buchanan, W. L. Henderson, Mrs. W. L. Henderson (compiler), Mrs. M. North, Mrs. Gail Tappan, Mrs. H. B. Temple, A. L. Varrieur (Anne Arundel Bird Club).

132. Loch Raven (Baltimore Co.), Md. (from Towson around the lake through Dulaney Valley to Loch Raven Station and back to Towson; early seral stages—30 to 40 years after cultivation—80%, deciduous woodland 10%, cultivated land 5%, coniferous plantations 5%).—Dec. 27; 6:15 a.m. to 5:15 p.m. Clear; temp. 11° to 25°; wind NW, 6-8 m.p.h. Some old snow on north-facing slopes, inlets of lake ice-covered. One observer. Total hours, 11 (10 on foot, 1 by car); total miles, 25 (10 on foot, 15 by car). Horned Grebe, 1; Black Duck, 31; Am. Merganser, 8; Turkey Vulture, 2; Cooper's Hawk, 1; Marsh Hawk, 1; Bob-white, 5; Ring-necked Pheasant, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Downy Woodpecker, 6; Blue Jay, 3; Am. Crow, 89; Carolina Chickadee, 7; Red-breasted Nuthatch, 2; Carolina Wren, 3; Mockingbird, 1; Am. Robin, 2; Hermit Thrush, 1; Eastern Bluebird, 51; Common Starling, 3; Myrtle Warbler, 9; Cardinal, 14; Am. Goldfinch, 19; Slate-colored Junco, 49; Am. Tree Sparrow, 30; White-throated Sparrow, 42; Swamp Sparrow, 2; Song Sparrow, 6. **Total,** 29 species; 393 individuals.—Haven Kolb.

133. McCoole (Allegany Co.), Md. (center of town to 1 mile east; center of town north along U. S. 220 to Rawlings; top of Dans Mountain 3 miles east of Lonaconing; town suburb 15%, open farmland 25%, deciduous woods 25%, coniferous plantings 10%, pasture 25%).—Dec. 30; 8:30 a.m. to 6:30 p.m. Very foggy in a.m., clearing slightly in p.m.; temp. 28° to 35°; wind calm. Three observers in 1 party. Total party-hours, 9½ (8 on foot, 1½ by car); total party-miles, 20 (8 on foot, 12 by car). Sparrow Hawk, 1; Ruffed Grouse, 1; Bob-white, 10; Hairy Woodpecker, 1; Downy Woodpecker, 9; Horned Lark, 2; Am. Crow, 8; Black-capped Chickadee, 9; Tufted Tit-

mouse, 7; White-breasted Nuthatch, 3; Carolina Wren, 12; Mockingbird, 3; Common Starling, 51; Myrtle Warbler, 4; House Sparrow, 42; Purple Grackle, 1; Cardinal, 52; Am. Goldfinch, 7; Slate-colored Junco, 123; Am. Tree Sparrow, 20; White-crowned Sparrow, 21; White-throated Sparrow, 18; Song Sparrow, 20. **Total,** 23 species; 425 individuals.—Byron Kiser, Anna and Leonard M. Llewellyn.

134. Ocean City, Md. (same area and habitat percentages as last year).—Dec. 27; 6:15 a.m. to 6 p.m. Clear; temp. 12° to 25°; wind NW, 5-10 m.p.h.; ground bare; ponds and smaller bays mostly frozen. Ten observers in 6 parties. Total party-hours, 63 (36 on foot, 27 by car); total party-miles, 370 (44 on foot, 326 by car). Common Loon, 29; Red-throated Loon, 10; Red-necked Grebe, 1; Horned Grebe, 42; Pied-billed Grebe, 8; Gannet, 2; European Cormorant, 1 (E.G.B., F.M.P., J.W.T.—first seen Dec. 13 by J.H.B.); Double-crested Cormorant, 3; Great Blue Heron, 19; Am. Bittern, 2; Canada Goose, 2378; Brant, 4800; Snow Goose, 1986; Mallard, 21; Black Duck, 395; Am. Widgeon, 4; Pintail, 101; **European Teal,** 1 ♂ (S.H.L., J.H.A.—at same pond where one wintered last year); Green-winged Teal, 3; Blue-winged Teal, 1; Shoveller, 4; Wood Duck, 3; Redhead, 1; Canvas-back, 5; Am. Golden-eye, 51; Buffle-head, 221; Old-squaw, 87; White-winged Scoter, 26; Surf Scoter, 26; Am. Scoter, 2; Ruddy Duck, 1; Hooded Merganser, 4; Red-breasted Merganser, 139; **Turkey Vulture,** 386; Black Vulture, 5; Sharp-shinned Hawk, 5; Cooper's Hawk, 3; Red-tailed Hawk, 8; Red-shouldered Hawk, 10; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 19; Peregrine Falcon, 1; Sparrow Hawk, 36; Bob-white, 35; King Rail, 2; Am. Coot, 1; Killdeer, 88; Black-bellied Plover, 39; Wilson's Snipe, 2; Purple Sandpiper, 2; Least Sandpiper, 2; Red-backed Sandpiper, 272; Dowitcher, 1 (F.M.P.); Semipalmated Sandpiper, 1; Sanderling, 145; Great Black-backed Gull, 5; Herring Gull, 1385; Ring-billed Gull, 257; Bonaparte's Gull, 17; **Mourning Dove,** 351; Barn Owl, 1; Screech Owl, 1; Horned Owl, 2; Barred Owl, 4; Belted Kingfisher, 4; Yellow-shafted Flicker, 42; Pileated Woodpecker, 5; Red-bellied Woodpecker, 33; Yellow-bellied Sapsucker, 3; **Hairy Woodpecker,** 26; Downy Woodpecker, 41; Eastern Phoebe, 17; Horned Lark, 65; Blue Jay, 2; Am. Crow, 261; **Carolina Chickadee,** 249; Tufted Titmouse, 65; White-breasted Nuthatch, 5; Brown Creeper, 17; House Wren, 4 (S.H.L., J.H.A., C.S.R., C.M.); Winter Wren, 11; Carolina Wren, 47; Short-billed Marsh Wren, 1; Mockingbird, 16; Catbird, 5; Brown Thrasher, 6; Am. Robin, 635; **Hermit Thrush,** 55; Eastern Bluebird, 24; Golden-crowned Kinglet, 39; Ruby-crowned Kinglet, 2; Water Pipit, 101; Cedar Waxwing, 3; Loggerhead Shrike, 7; Common Starling, 945; Myrtle Warbler, 1075; Palm Warbler, 1; Common Yellowthroat, 1; House Sparrow, 232; **Eastern Meadowlark,** 1720; Red-winged Blackbird, 402; Rusty Blackbird, 1; Boat-tailed Grackle, 30; Purple Grackle, 1; Brown-headed Cowbird, 656; Cardinal, 288; Evening Grosbeak, 11 (J.H.B.); Pine Siskin, 1; Am. Goldfinch, 171; Eastern Towhee, 109; Savannah Sparrow, 52; Sharp-tailed Sparrow, 1; Vesper Sparrow, 29; Slate-colored Junco, 575; Am. Tree Sparrow, 18; Chipping Sparrow, 70; **Field Sparrow,** 849; **White-throated Sparrow,** 1575; Fox Sparrow ,27; Swamp Sparrow, 55; Song Sparrow, 426. **Total,** 122 species; 24,577 individuals.—Jay H. Arnold, Ernest G. Baldwin, John H. Buckalew, John H. Buckalew, Jr., Seth H. Low, Charles Mayhood, E. O. Mellinger, Fred M. Packard, Chandler S. Robbins (compiler), John W. Taylor, Jr.

135. Southern Dorchester County, Md. (Blackwater National Wildlife Refuge to Elliott Island; same area and habitats as in past 3 years).—Dec. 28; 6:30 a.m. to 6 p.m. Overcast; temp. 10° to 32°; wind NE, 10 m.p.h.; ground bare; all fresh water and most of salt water frozen. Nine observers in 4 parties. Total party-hours, 42 (29 on foot, 13 by car); total party-miles, 206 (19 on foot, 187 by car). Horned Grebe, 9; Great Blue Heron, 11; Am. Bittern, 1; Canada Goose, 2115; Brant, 1; Blue Goose, 3; Mallard, 125; Black Duck, 1675; Gadwall, 4; Am. Widgeon, 1; Pintail, 223; Green-winged Teal, 2; Shoveller, 2; Redhead, 4; Canvas-back, 1990; scaup (only Greater Scaup identified), 91; Am. Golden-eye, 270; Buffle-head, 12; Old-squaw, 12; Ruddy Duck, 2; Hooded Merganser, 21; Am. Merganser, 79; Turkey Vulture, 87; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 6; Rough-legged Hawk, 3; **Bald Eagle,** 27; **Marsh Hawk,** 48; Sparrow Hawk, 7; Bob-white, 10; **Virginia Rail,** 13; Sora, 3; Killdeer, 20; **Am. Woodcock,** 2; Greater Yellow-legs, 1; Great Black-backed Gull, 6; Herring Gull, 95; Ring-billed Gull, 119; Mourning Dove, 9; Barn Owl, 1; Horned Owl, 11; Belted Kingfisher, 5; Yellow-shafted Flicker, 16; Pileated Woodpecker, 2; Red-bellied Woodpecker, 7; Hairy Woodpecker, 5; Downy Woodpecker, 14; Eastern Phoebe, 2; Horned Lark, 11; Blue Jay, 16; Am. Crow, 1750; Carolina Chickadee, 44; Tufted Titmouse, 12; Brown-headed Nuthatch, 33; Brown Creeper, 14; Winter Wren, 5; Carolina Wren, 21; **Long-billed Marsh Wren,** 24; Short-billed Marsh Wren, 14; Mockingbird, 5; Brown Thrasher, 2; Am. Robin, 54; **Hermit Thrush,** 32; Eastern Bluebird, 17; Golden-crowned Kinglet, 44; Loggerhead Shrike, 2; Common Starling, 224; Myrtle Warbler, 2040; House Sparrow, 156; Eastern Meadowlark, 295; Red-winged Blackbird, 6580; Rusty Blackbird, 8; Purple Grackle, 427; Brown-headed Cowbird, 214; Cardinal, 82; Am. Goldfinch, 63; Eastern Towhee, 27; Savannah Sparrow, 26; Slate-colored Junco, 106; Am. Tree Sparrow, 6; Field Sparrow, 66; White-throated Sparrow, 83; **Swamp Sparrow,** 220; Song Sparrow, 210. **Total,** 86 species; 20,117 individuals.—Ernest G. Baldwin, Seth H. Low, Charles Mayhood, Reginald Orem, Chandler S. Robbins (compiler), John W. Taylor, Jr., Joanna Tousey, Richard Tousey, Ruth L. Tousey.

136. Susquehanna Flats-Sassafras River, Md. (Havre de Grace, Perry Point, Carpenter Point, Elk Neck and mouth of Sassafras River; bays and estuaries 70%, woods 20%, fields 10%).—Jan. 1; 8 a.m. to 5 p.m. Clear; temp. 22° to 40°; wind NW, 5-8 m.p.h.; ground bare and frozen; all ponds frozen; rivers 90-100% frozen. Eight observers in 3 parties. Total party-hours, 24½ (10 on foot, 14½ by car); total party-miles, 126 (9 on foot, 117 by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Whistling Swan, 384; Canada Goose, 9300; Snow Goose, 4; Mallard, 6; Black Duck, 2500; Am. Widgeon, 2; Redhead, 1; Ring-necked Duck, 7; Canvas-back, 875; scaup (sp.), 16; Am. Golden-eye, 4; Am. Merganser, 170; Turkey Vulture, 103; Black Vulture, 12; Sharp-shinned Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 8; Bald Eagle, 10; Marsh Hawk, 6; Sparrow Hawk, 16; Am. Coot, 16; Killdeer, 8; Herring Gull, 292; Ring-billed Gull, 247; Mourning Dove, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 8; Hairy Woodpecker, 7; Downy Woodpecker, 15; Blue Jay, 37; Am. Crow, 127; Fish Crow, 21; Carolina Chickadee, 73; Tufted Titmouse, 23; White-breasted Nuthatch, 3; Brown Creeper, 12; Winter Wren, 7; Carolina Wren, 29; Mockingbird, 12; Hermit Thrush, 2; Eastern Bluebird, 36; Golden-crowned Kinglet, 39; Ruby-crowned Kinglet, 2; Water Pipit, 12; Cedar Waxwing, 39; Common Starling, 2400; Myrtle Warbler, 63; House Sparrow, 400; Eastern Meadowlark, 27; **Red-winged Blackbird,** 500,000 (est.); Rusty Blackbird, 6; **Purple Grackle,** 50,000 (est.); Brown-headed Cowbird, 300; Cardinal, 88; Purple Finch, 10; Am. Goldfinch, 151; Eastern Towhee, 1; Slate-colored Junco, 353; Am. Tree Sparrow, 50; Field Sparrow, 177; White-crowned Sparrow, 12 (at 3 locations west of Cecilton—W.T.D., E.G.D., J.E.W.); White-throated Sparrow, 160; Swamp Sparrow, 10; Song Sparrow, 76. **Total,** 67 species; about 568,803 individuals.—J. E. Willoughby, E. G. Davis (compiler), W. T. Davis, D. Jones, S. H. Low, C. S. Robbins, J. Weaver, E. Willis.

137. Triadelphia Reservoir (Montgomery Co.), Md. (same area and habitat percentages as last year: Glenmont, Colesville, Burtonsville, Ashton, Olney, and Unity areas, but Howard County sector not covered).—Dec. 23; 6:45 a.m. to 7 p.m. Clear; temp. 32° to 40°; wind SW, 8 m.p.h.; 1-in. snow on ground; reservoir mostly frozen. Seven observers in 4 parties. Total party-hours, 25 (16 on foot, 9 by car); total party-miles, 156 (11 on foot, 145 by car). Pied-billed Grebe, 4; Great Blue Heron, 1; Canada Goose, 3; Mallard, 150; Black Duck, 300; Gadwall, 5 (S.H.L.); Am. Widgeon, 18; Pintail, 1; Canvas-back, 1; Ruddy Duck, 5; Am. Merganser, 22; Turkey Vulture, 167; Black Vulture, 13; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 6; Bald Eagle, 1; Marsh Hawk, 8; Sparrow Hawk, 11; Am. Coot, 18; Killdeer, 9; Mourning Dove, 96; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 22; Eastern Phoebe, 1 (J.H.F., J.O.T.); Blue Jay, 87; Am. Crow, 3652; Carolina Chickadee, 55; Tufted Titmouse, 21; White-breasted Nuthatch, 9; Brown Creeper, 13; Winter Wren, 6; Carolina Wren, 19; Mockingbird, 42; Eastern Bluebird, 37; Golden-crowned Kinglet, 30; Ruby-crowned Kinglet, 1; Gray Shrike, 1 (J.H.F., J.O.T.); Loggerhead Shrike, 2; Common Starling, 2155; Myrtle Warbler, 12; House Sparrow, 188; Eastern Meadowlark, 130; Cardinal, 44; Purple Finch, 4; Am. Goldfinch, 25; Savannah Sparrow, 1; Vesper Sparrow, 1 (C.S.R.); Slate-colored Junco, 281; Am. Tree Sparrow, 201; Field Sparrow, 31; White-crowned Sparrow, 6; White-throated Sparrow, 77; Swamp Sparrow, 1; Song Sparrow, 65. **Total,** 60 species; 8084 individuals.—John H. Fales, Ann M. Low, Margaret Low, Seth H. Low (compiler), Tommy Low, Chandler S. Robbins, John O. Thomen.

138. Wicomico (Charles Co.), Md. (7½-mile radius centered 1 mile northeast of Tompkinsville and including all of the Wicomico River, Chaptico, White's Neck, Cobb Island, and Cobb Neck, north to Pope's Creek on the Potomac River; tidal rivers 50%, fields 25%, coniferous and deciduous woods 25%).—Dec. 31; 6:45 a.m. to 5:15 p.m. Cloudy in a.m., clear in p.m.; temp. 29° to 38°; wind 5 to 12 m.p.h.; ground bare; most all water free from ice except in creeks. Six observers in 2 parties. Total party-hours, 21 (7 on foot, 14 by car); total party-miles, 75 (6 on foot, 69 by car). Red-throated Loon, 35; Horned Grebe, 14; Pied-billed Grebe, 2; Great Blue Heron, 5; Whistling Swan, 3; Mallard, 17; Black Duck, 81; Gadwall, 39; Am. Widgeon, 897; Pintail, 34; Redhead, 6; Ring-necked Duck, 6; Canvas-back, 1414; Greater Scaup, 32; Am. Golden-eye, 35; Buffle-head, 4; Ruddy Duck, 768; Am. Merganser, 2; Red-breasted Merganser, 8; Turkey Vulture, 136; Black Vulture, 12; Sharp-shinned Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 4; Rough-legged Hawk, 1; Bald Eagle, 5; Marsh Hawk, 11; Sparrow, Hawk, 11; Bob-white, 2; **Virginia Rail,** 5; Sora Rail, 1 (C.H.M.); Am. Coot, 99; Killdeer, 9; Herring Gull, 65; Ring-billed Gull, 48; Mourning Dove. 40; Belted Kingfisher, 5; Yellow-shafted Flicker, 38; Pileated Woodpecker, 2; **Red-bellied Woodpecker,** 45; Red-headed Woodpecker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 28; Eastern Phoebe, 2; Blue Jay, 46; Am. Crow, 59; Carolina Chickadee, 27; Tufted Titmouse, 34; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 55; Long-billed Marsh Wren, 10; Mockingbird, 26; Catbird, 1; Am. Robin, 6; Hermit Thrush, 6; Eastern Bluebird, 86; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 4; Water Pipit, 25; Cedar Waxwing, 1; Loggerhead Shrike, 3; Common Starling, 220; Myrtle Warbler, 94; House Sparrow, 78; Eastern Meadowlark, 270; Red-winged Blackbird, 3075; Rusty Blackbird, 41; Purple Grackle, 235; Brown-headed Cowbird, 54; Car-

dinal, 97; Purple Finch, 1; Am. Goldfinch, 67; Eastern Towhee, 32; Slate-colored Junco, 155; Am. Tree Sparrow, 2; Field Sparrow, 75; White-throated Sparrow, 366; Swamp Sparrow, 10; Song Sparrow, 74. **Total,** 80 species; 9332 individuals.—R. L. Bezek, R. F. Deed, M. Gilbert, C. H. Mayhood, J. W. Taylor (compiler), C. Ward.

139. Washington, D. C. (7½-mile radius centering on Naval Annex on south side of Arlington Cemetery, Va., including the same area as in past 4 years; water 20%, marsh 5%, brushy swamp 5%, bottomland woods 25%, upland deciduous woods 25%, pine woods 5%, fields 5%, suburban 10%).—Dec. 30; 6:30 a.m. to 5 p.m. Generally clear but some haze particularly over the Potomac; temp. 26° to 42°; calm; ground bare; Potomac and Anacostia Rivers open, smaller bodies of water generally frozen. Forty-nine observers in 7 parties. Total party-hours, 102 (91 on foot, 11 by car); total party-miles, 285 (114 on foot, 171 by car). Great Blue Heron, 12; Black-crowned Night Heron, 5; Blue Goose, 1; Mallard, 164; Black Duck, 271; Am. Widgeon, 1; Pintail, 272; Green-winged Teal, 74; Redhead, 2; Greater Scaup, 1; Buffle-head, 3; Ruddy Duck, 27; Am. Merganser, 365; Turkey Vulture, 63; Black Vulture, 34; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 10; Red-shouldered Hawk, 11; Rough-legged Hawk, 1; Bald Eagle, 5; Sparrow Hawk, 14; Bob-white, 25; Am. Coot, 5; Killdeer, 37; Wilson's Snipe, 12; Herring Gull, 447; Ring-billed Gull, 1019; Mourning Dove, 57, Barn Owl, 1; Screech Owl, 1; Barred Owl, 6; Belted Kingfisher, 12; Yellow-shafted Flicker, 67; Pileated Woodpecker, 4; Red-bellied Woodpecker, 45; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 18; Downy Woodpecker, 133; Eastern Phoebe, 1; Horned Lark (Prairie), 70; Blue Jay, 261; Am. Crow, 500; Fish Crow, 79; Carolina Chickadee, 290; Tufted Titmouse, 220; White-breasted Nuthatch, 67; Brown Creeper, 23; Winter Wren, 12; Carolina Wren, 124; Long-billed Marsh Wren, 1; Mockingbird, 102; Catbird, 1; Brown Thrasher, 1; Am. Robin, 10; Hermit Thrush, 16; Eastern Bluebird, 45; Golden-crowned Kinglet, 38; Ruby-crowned Kinglet, 6; Water Pipit, 1; Cedar Waxwing, 50; Common Starling, 13,538; Myrtle Warbler, 64; Common Yellowthroat, 1; House Sparrow, 755; Eastern Meadowlark, 50; Red-winged Blackbird, 272; Rusty Blackbird, 17; Purple Grackle, 1; Brown-headed Cowbird, 4; Cardinal, 376; Purple Finch, 45; Pine Siskin, 4; Am. Goldfinch, 337; Eastern Towhee, 11; Vesper Sparrow, 1; Slate-colored Junco, 1061; Am. Tree Sparrow, 158; Field Sparrow, 145; White-crowned Sparrow, 2; White-throated Sparrow, 841; Fox Sparrow, 39; Swamp Sparrow, 42; Song Sparrow, 419. **Total,** 85 species; 23,338 individuals.—John W. Aldrich, Elting Arnold, Sarah S. Baker, Ernest G. Baldwin, Irston R. Barnes, Shirley A. Briggs, Joe Brown, Charles Clagett, Virginia Daiker, Edwin G. Davis, W. T. Davis, William L. Del Grande, Carl Dianda, Thomas W. Donnelly, Philip A. Du Mont, Arthur Fast, Thomas F. Fuller, J. D. Garner, Morgan Gilbert, Tim Goldsmith, Mr. and Mrs. Walter B. Grautoff, Fred T. Griffin, Mrs. Fred G. Halley, Mary Kerr, Nick Kerr, Marjorie G. Lincoln, Dorry Loesges, Mary H. Martin, Charles N. Mason (compiler), Gerald S. Mersereau, Mrs. Leo D. Miner, Ruth Riley, Elois Rogers, Mrs. Delbert Ruch, Clara K. Schoenbauer, Claud C. Slusher, Ada Moyer Smith, Harold B. Stabler, E. Jeanne Stivers, John W. Taylor, Jr., Joanna Tousey, Richard Tousey, Ruth L. Tousey, Karl L. Trever, Martha J. Trever, R. Donald Widman, John E. Willoughby, Maryan Wilson (Audubon Society of the District of Columbia).

140. Abingdon, Va. (city limits southeast to the South Holston River; farmland and pastures 35%, deciduous woodlands 35%, mixed pine and deciduous woodland 15%, marsh and creek bottoms 10%, white pine groves 5%).—Dec. 24; 7:15 a.m. to 4 p.m. Cloudy to clearing; temp. 37° to 46°; wind W, 5-15 m.p.h.; ground thawing but ponds frozen. One observer. Total hours, 8¾ (8 on foot, ¾ by car); total party-miles, 12 (6 on foot, 6 by car). Turkey Vulture, 26; Black Vulture, 20; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 7; Ruffed Grouse, 1; Am. Coot, 2; Killdeer, 1; Mourning Dove, 7; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 2; Am. Crow, 170; Carolina Chickadee, 17; Tufted Titmouse, 6; White-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 6; Mockingbird, 11; Am. Robin, 43; Eastern Bluebird, 2; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 1; Common Starling, 255; Palm Warbler, 1; House Sparrow, 78; Eastern Meadowlark, 4; Red-winged Blackbird, 47; Rusty Blackbird, 1; Cardinal, 26; Am. Goldfinch, 26; Eastern Towhee, 1; Slate-colored Junco, 40; Am. Tree Sparrow, 3; Field Sparrow, 24; White-crowned Sparrow, 2; White-throated Sparrow, 6; Swamp Sparrow, 1; Song Sparrow, 55. **Total,** 43 species; 922 individuals.—Stephen M. Russell.

141. Back Bay National Wildlife Refuge, Va. (refuge area including Long Island, ocean beach from Sandbridge to North Carolina line, Knott's Island (the Va. part), Sigma, Pungo, Pleasant Ridge, North Landing River ferry; open farmland 10%, pine woodland 15%, deciduous woodland 22%, ocean beach 10%, marshes and inland bay 43%).—Dec. 30; 7 a.m. to 5 p.m. Overcast, intermittent rain in morning becoming rather heavy in afternoon; temp. 35° to 44°; wind N, veering to NE, 3-10 m.p.h.; ground bare; water open. Twelve observers in 2 to 4 parties. Total party-hours, 26 (18 on foot, 2 by car, 2 by truck on beach, 4 by motorboat); total party-miles, 117 (16 on foot, 75 by car, 20 by truck, 6 by boat). Common Loon, 9; Red-throated Loon, 1; Horned Grebe, 31; Pied-billed Grebe, 2; Gannet, 8; Double-crested Cormorant, 14; Great Blue Heron, 5;

Black-crowned Night Heron, 1; Am. Bittern, 1; Whistling Swan, 751 (650 est., 101); Canada Goose, 3966 (3950 est., 16); Snow Goose, 5380 (est.); Blue Goose, 8; Mallard, 6; Black Duck, 112; Am. Widgeon, 40,000 (est.); Pintail, 356 (260 est., 96); Green-winged Teal, 3; Redhead, 50 (est.); Ring-necked Duck, 6450 (est.); Canvas-back, 9215 (9170 est., 45); scaup (sp.), 1100 (est.); Am. Golden-eye, 3; Buffle-head, 18; Old-squaw, 3; White-winged Scoter, 15; Surf Scoter, 11; Ruddy Duck, 35; Hooded Merganser, 5; Red-breasted Merganser, 23; Black Vulture, 8; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 8; Marsh Hawk, 12; Peregrine Falcon, 1; Pigeon Hawk, 1 (R.J.B.); Sparrow Hawk, 12; Bob-white, 1; King Rail, 3; Virginia Rail, 1; Am. Coot, 4600 (est.); Killdeer, 3; Black-bellied Plover, 2; Wilson's Snipe, 4; Sanderling, 6; Great Black-backed Gull, 12; Herring Gull, 12; Ring-billed Gull, 195; Bonaparte's Gull, 41; Mourning Dove, 1; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 8; Eastern Phoebe, 1; Horned Lark (Northern), 35; Tree Swallow, 3; Am. Crow, 40; Fish Crow, 13; Carolina Chickadee, 18; Tufted Titmouse, 2; Brown-headed Nuthatch, 12; Brown Creeper, 3; House Wren, 10; Winter Wren, 4; Carolina Wren, 45; Long-billed Marsh Wren, 7; Short-billed Marsh Wren, 19; Mockingbird, 11; Catbird, 30; Brown Thrasher, 2; Am. Robin, 35; Hermit Thrush, 8; Eastern Bluebird, 24; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 8; Water Pipit, 24; Common Starling, 82; Myrtle Warbler, 253; Common Yellowthroat, 12; House Sparrow, 60; Eastern Meadowlark, 24; Red-winged Blackbird, 141; Rusty Blackbird, 43; Purple Grackle, 4; Cardinal, 53; Am. Goldfinch, 9; Eastern Towhee, 25; Savannah Sparrow, 138; Slate-colored Junco, 5; Am. Tree Sparrow, 4 (C.E.S.); Field Sparrow, 27; White-throated Sparrow, 181; Fox Sparrow, 15; Swamp Sparrow, 130; Song Sparrow, 160. **Total,** 100 species; about 74,267 individuals.—Mr. and Mrs. R. J. Beasley, R. N. Bowman, R. P. Carroll, J. H. Grey, K. R. Lawless, S. Mitchell, R. O. Paxton, J. E. Perkins, W. F. Rountrey, F. R. Scott, C. E. Stevens.

142. Blacksburg (Montgomery Co.), Va. (V.P.I. campus and farm, town and radius of 1 mile to east and north, Brush Mt. and Tom's Creek to Whitethorne Station, New River from Goodwin's Ferry to Lover's Leap; pasture and plowed land 20%, town and suburbs 9%, virgin white oak wood lots 20%, mixed pine and oak woods 24%, river and creek bottom 27%).—Dec. 29; 6:45 a.m. to 5:30 p.m. Overcast, clear to overcast (fog in valley from 9 a.m. to 12 noon cut visibility to one-quarter mile; dense fog enveloped Brush Mt. from about 8 a.m. to 3 p.m.); temp. 32° to 38°; wind none to 3 m.p.h.; ground covered with 1-2-in. freshly fallen snow and ice; all vegetation coated with ice; marshes completely frozen over. Seven observers in 4 parties. Total party-hours, 37 (34 on foot, 3 by car); total party-miles, 113 (34 on foot, 79 by car). Horned Grebe, 1; Pied-billed Grebe, 2; Mallard, 149; Black Duck, 80; Gadwall, 12; Am. Widgeon, 40; Pintail, 3; Green-winged Teal, 1; Wood Duck, 1; Ring-necked Duck, 6; scaup (sp.), 2; Am. Golden-eye, 54; Bufflehead, 3; Hooded Merganser, 11; Turkey Vulture, 15; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 13; Ruffed Grouse, 2; Bob-white, 16 (5 coveys of which 3 consisted of 1 bird each); Am. Coot, 2; Killdeer, 11; Wilson's Snipe, 4; Mourning Dove, 55; Screech, Owl, 1; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 19; Pileated Woodpecker, 4; Red-bellied Woodpecker, 9; Hairy Woodpecker, 2; Downy Woodpecker, 26; Horned Lark (Prairie), 149; Blue Jay, 9; Am. Crow, 251; Black-capped and Carolina Chickadee, 40; Tufted Titmouse, 33; White-breasted Nuthatch, 29; Brown Creeper, 7; Winter Wren, 2; Carolina Wren, 14; Mockingbird, 23; Eastern Bluebird, 21; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 9; Common Starling, 454; English Sparrow, 151; Eastern Meadowlark, 60; Red-winged Blackbird, 1; Cardinal, 103; Purple Finch, 1; Am. Goldfinch, 118; Red Crossbill, 2 (R.J.W.); Slate-colored Junco, 292; Am. Tree Sparrow, 238; Field Sparrow, 189; White-crowned Sparrow, 139; White-throated Sparrow, 13; Song Sparrow, 127. **Total,** 63 species; 3054 individuals. —C. O. Handley, Sr. (compiler), John M. Handley, John W. Murray, Mr. and Mrs. E. W. Roane, Mrs. Ellison Smyth, R. J. Watson.

143. Brooke, Va. (triangular area with Brooke, Widewater, and mouth of Potomac Creek at the 3 apices; waterfront 25%, marsh 10%, open fields 15%, hedgerows 15%, mixed forest edge 20%, deciduous slash 5%, deciduous forest 10%).—Dec. 30; 7:45 a.m. to 4:45 p.m. Continual fog; temp. 34° to 38°; calm; ground bare; tidal creeks frozen, Potomac River filled with floating ice. Five observers in 4 parties. Total party-hours, 24; total party-miles, 19 (all on foot). Great Blue Heron, 5; Whistling Swan, 84; Mallard, 15; Black Duck, 70; Green-winged Teal, 1; Ring-necked Duck, 10; Canvas-back, 46; Am. Golden-eye, 5; Ruddy Duck, 3; Am. Merganser, 30; Red-breasted Merganser, 2; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Bald Eagle, 6; Marsh Hawk, 3; Sparrow Hawk, 2; Bob-white, 50; Killdeer, 28; Herring Gull, 10; Ring-billed Gull, 14; Mourning Dove, 50; Belted Kingfisher, 7; Yellow-shafted Flicker, 11; Pileated Woodpecker, 5; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 4; Downy Woodpecker, 20; Eastern Phoebe, 1; Blue Jay, 90; Am. Crow, 110; Carolina Chickadee, 60; Tufted Titmouse, 40; Brown Creeper, 3; Winter Wren, 5; Carolina Wren, 50; Mockingbird, 20; Am. Robin, 90; Hermit Thrush, 13; Eastern Bluebird, 10; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 3; Cedar Waxwing,

120; Common Starling, 40; Myrtle Warbler, 5; House Sparrow, 50; Eastern Meadowlark, 21; Red-winged Blackbird, 145; Rusty Blackbird, 43; Cardinal, 75; Purple Finch, 1; Am. Goldfinch, 130; Eastern Towhee, 5; Savannah Sparrow, 2; Slate-colored Junco, 435; Am. Tree Sparrow, 290; Field Sparrow, 175; White-throated Sparrow, 600; Swamp Sparrow, 4; Song Sparrow, 185. **Total,** 62 species; about 3357 individuals. The fog precluded a representative count, particularly of waterfowl.—A. A. Baker, R. S. Cannon, Jr., Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey.

144. Charlottesville, Va. (Henley's Lake, Whitehall, Albemarle Lake, Bellair Pond, Thraves Pond, city reservoir, woolen mills, 9 miles along Rivanna and South Fork Rivanna River from Burnt Mills to town; farmland 30%, lakes and ponds 25%, river-bottom 25%, deciduous woods 15%, pine woods 5%).—Dec. 23; 7 a.m. to 5:15 p.m. Fair; temp. 20° to 51°; wind negligible. Some of the river-bottom weed and corn fields swept bare by recent floods. Ground partially covered with 1-2-in. old snow. All ponds frozen except city reservoir. Two parties with 2 observers in a.m., 3 in p.m. Total party-hours, 20; total party-miles, 64 (24 afoot, 40 by car). Great Blue Heron, 2; Canada Goose, 6; Blue Goose, 1 (imm., present since Nov. 5—K.L., C.E.S.); Mallard, 19; Black Duck, 72; Wood Duck, 1; scaup (sp.), 3; Turkey Vulture, 18; Black Vulture, 4; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 31 (2 coveys); Wilson's Snipe, 2; Mourning Dove, 17; Belted Kingfisher, 2; Yellow-shafted Flicker, 13; Pileated Woodpecker, 8; Red-bellied Woodpecker, 9; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 21; Eastern Phoebe, 6; Horned Lark, 1; Blue Jay, 32; Am. Crow, 373; Carolina Chickadee, 57; Tufted Titmouse, 30; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Creeper, 8; Winter Wren, 14; Carolina Wren, 34; Mockingbird, 29; Am. Robin, 4; Hermit Thrush, 6; Eastern Bluebird, 7; Golden-crowned Kinglet, 47; Ruby-crowned Kinglet, 5; Cedar Waxwing, 13; Loggerhead Shrike, 4; Starling, 29; Myrtle Warbler, 7; House Sparrow, 15; Eastern Meadowlark, 2; Red-winged Blackbird, 35; Rusty Blackbird, 1; Cardinal, 214; Purple Finch, 9; Pine Siskin, 1; Am. Goldfinch, 41; Eastern Towhee, 4; Slate-colored Junco, 542; Am. Tree Sparrow, 430; Field Sparrow, 180; White-crowned Sparrow, 13; White-throated Sparrow, 177; Fox Sparrow, 7; Swamp Sparrow, 5; Song Sparrow, 247. **Total,** 62 species; 2880 individuals.—Kenneth Lawless, William F. Minor, Charles E. Stevens, Jr.

145. Fort Belvoir, Va. (west bank of the Potomac River in Fairfax County from Mount Vernon to Neabsco Creek, including Dogue Inlet, Gunston Cove, Accotink and Pohick Creeks; water 30%, bottomland woods 30%, upland woods [½ pine, ½ deciduous] 20%, old fields 10%, farmland 5%, cattail marsh 3%, golf course and parade grounds 2%).—Dec. 31; 6:50 a.m. to 4:30 p.m. Partly cloudy; temp. 34° to 43°; wind NW to W, 10-20 m.p.h.; ground bare and frozen; inlets partly frozen, river ice-free. Eleven observers in 2 parties. Total party-hours, 18 (15 on foot, 3 by car); total party-miles, 87 (17 on foot, 70 by car). Pied-billed Grebe, 2; Great Blue Heron, 5; Mallard, 75; Black Duck, 122; Pintail, 24; scaup (sp.), 4; Buffle-head, 2; Ruddy Duck, 1; Am. Merganser, 101; Turkey Vulture, 13; Black Vulture,1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 5; Bald Eagle, 7; Marsh Hawk, 4; Pigeon Hawk, 1 (swooping at a Marsh Hawk—J.M.A., B.O.B., G.S.); Sparrow Hawk, 4; Killdeer, 18; Herring Gull, 32; Ring-billed Gull, 170; Mourning Dove, 7; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 23; Pileated Woodpecker, 3; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 15; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 21; Eastern Phoebe, 2; Horned Lark, 4; Blue Jay, 140; Am. Crow, 75; Black-capped Chickadee, 1 (seen with Carolina Chickadees; larger; noticeably more white in wing—J.M.A., F.E.A., G.S.); Carolina Chickadee, 32; Tufted Titmouse, 18; White-breasted Nuthatch, 10; Brown Creeper, 4; Winter Wren, 8; Carolina Wren, 15; Mockingbird, 18; Am. Robin, 10; Hermit Thrush, 6; Eastern Bluebird, 14; Golden-crowned Kinglet, 25; Common Starling, 129; Myrtle Warbler, 141; House Sparrow, 24; Eastern Meadowlark, 92; Red-winged Blackbird, 147; Rusty Blackbird, 84; Purple Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 59; Purple Finch, 2; Am. Goldfinch, 65; Eastern Towhee, 2; Slate-colored Junco, 262; Am. Tree Sparrow, 71; Field Sparrow, 63; White-throated Sparrow, 93; Fox Sparrow, 2; Swamp Sparrow, 43; Song Sparrow, 62. **Total,** 67 species; 2419 individuals.—F. E. Abbott, J. M. Abbott (compiler), Dr. and Mrs. P. Bartsch, I. R. Barnes, B. O. Bird, F. D. Garner, Mr. and Mrs. Irwin Hoover, D. Loesges, G. Sigel.

146. Lexington, Va. (usual area; town 5%, pasture 25%, oak woods 25%, cedar woods 20%, scrub 25%).—Dec. 27; 7 a.m. to 5 p.m. (60 minutes out for lunch). Clear; temp. 12° to 25°; wind mostly NE but varying, 5-15 m.p.h.; ground clear and frozen, ponds frozen, river mostly open. Thirteen observers in 3 parties. Total party-hours, 27 (21 on foot, 6 by car); total party-miles, 118 (30 on foot, 88 by car). Mallard, 1; Black Duck, 37; Turkey Vulture, 64; Black Vulture, 2; Sharp-shinned Hawk, 1; Sparrow Hawk, 4; Bob-white, 3; Killdeer, 2; Wilson's Snipe, 4; Screech Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 9; Pileated Woodpecker, 7; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 9; Eastern Phoebe, 7; Horned Lark, 30; Blue Jay, 17; Common Raven, 4; Am. Crow, 233;

Black-capped Chickadee, 2 (J.J.M.); Carolina Chickadee, 86; Tufted Titmouse, 37; White-breasted Nuthatch, 14; Brown Creeper, 6; Winter Wren, 7; Carolina Wren, 19; Mockingbird, 17; Am. Robin, 1; Hermit Thrush, 4; Eastern Bluebird, 50; Golden-crowned Kinglet, 36; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 5; Common Starling, 406; Myrtle Warbler, 20; House Sparrow, 90; Eastern Meadowlark, 32; Rusty Blackbird, 2; Brown-headed Cowbird, 7; Cardinal, 156; Purple Finch, 3; Am. Goldfinch, 42; Slate-colored Junco, 437; Am. Tree Sparrow, 175; Field Sparrow, 110; White-crowned Sparrow, 2; White-throated Sparrow, 223; Song Sparrow, 28. **Total,** 52 species; 2474 individuals.—John F. Baxter, R. P. Carroll, Gordon Echol, Jack Lackmann, Joe Magee, Robert Moses, J. J. Murray (compiler), Dickson V. Murray, James Murray, Jr., Robert Paxton, Charles Ritchey, F. M. Yellott, Joshua Womeldorf.

147. Lynchburg, Va. (Timber Lake, College Lake, Airport, Graves' Mill and Tomahawk Swamp, and James River around Six Mile Bridge; deciduous woods 40%, pine woods 10%, broom sedge fields 20%, lespedeza meadow 9%, cattail swamp 1%, river bank 20%).—Dec. 26; 7 a.m. to 5 p.m. Clear until late p.m., then partly cloudy; temp. 23° to 58°; wind NNE to S, 7-12 m.p.h.; ground bare, lakes frozen over, streams open. Nine observers in 2 parties. Total party-hours, 19 (14½ on foot, 4½ by car); total party-miles, 118½ (17½ on foot, 101 by car). Canada Goose, 3; Red-breasted Merganser, 1; Turkey Vulture, 37; Black Vulture, 5; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 1 (Mrs. J.J.W., Jr.); Sparrow Hawk, 1; Bob-white, 11; Killdeer, 1; Wilson's Snipe, 3; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 25; Pileated Woodpecker, 1; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 25; Eastern Phoebe, 1; Horned Lark, 12; Blue Jay, 51; Am. Crow, 250; Carolina Chickadee, 93; Tufted Titmouse, 44; White-breasted Nuthatch, 25; Brown Creeper, 4; Winter Wren, 9; Carolina Wren, 46; Mockingbird, 21; Brown Thrasher, 1; Am. Robin, 51; Hermit Thrush, 14; Eastern Bluebird, 25; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 8; Cedar Waxwing, 9; Gray Shrike, 1; Common Starling, 42; Myrtle Warbler, 31; Pine Warbler, 2; House Sparrow, 3; Eastern Meadowlark, 8; Rusty Blackbird, 14; Cardinal, 78; Purple Finch, 17; Pine Siskin, 3; Am. Goldfinch, 88; Eastern Towhee, 14; Slate-colored Junco, 618; Am. Tree Sparrow, 108; Chipping Sparrow, 1; Field Sparrow, 184; White-throated Sparrow, 471; Fox Sparrow, 7; Swamp Sparrow, 14; Song Sparrow, 357. **Total,** 59 species; 2887 individuals.—Bob Giles, Larry Farmer, Jane Freer, Ruskin S. Freer (compiler), Kenneth R. Lawless, Melvin A. Mitchell, Jr., M. B. Tillotson, Mr. and Mrs. James W. Wiltshire, Jr.

148. Mt. Rogers, Va. (from Elk Garden Gap to top of mountain and Wilburn Ridge, return to origin via valleys of Cabin and Briar Creeks; elevation range: 4450 to 5719 ft.; deciduous forest 41%, grassy fields 35%, spruce-fir forest 24%).—Dec. 23; 7:55 a.m. to 5:40 p.m. Clouds on mountain in morning, clearing by noon; temp. 26° to 38° to 36°; wind NW to W, 10-35 m.p.h.; depth of snow increasing from 3 inches in Elk Garden Gap to 16 inches on top; streams mostly frozen; snow and ice thawing rapidly in afternoon. Two observers working singly and together. Total party-hours, 13¼; total party-miles, 12½ (on foot). Ruffed Grouse, 4; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 3; Common Raven, 3; Am. Crow, 7; chickadee (sp.), 3; Tufted Titmouse, 5; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 3; Brown Creeper, 1; Starling (resident in Elk Garden Gap), 7; Pine Siskin, 8; Am. Goldfinch, 4; Slate-colored Junco, 2. **Total,** 15 species; 57 individuals.—Fred W. Behrend, Stephen M. Russell.

149. Richmond, Va. (same area as in previous years, Richmond southeast to Curles Neck; open farmland 40%, pine woodlands 12%, deciduous woodlands 20%, residential districts 5%, marshes and river shore 10%, brushy fields 13%).—Dec. 28; 6:30 a.m. to 5 p.m. Overcast, light sleet and freezing rain in p.m.; temp. 18° to 31°; wind N, 1-9 m.p.h.; ground bare; most lakes frozen entirely. Three observers in 2 parties. Total party-hours, 20 (18 on foot, 2 by car); total party-miles, 74 (12 on foot, 62 by car). Great Blue Heron, 15; Canada Goose, 2000 (est.); Mallard, 112; Black Duck, 67; Am. Widgeon, 31; Pintail, 8; Wood Duck, 1; Ring-necked Duck, 19; Lesser Scaup, 5; Am. Golden-eye 6; Buffle-head, 12; Ruddy Duck, 17; Hooded Merganser, 2; Am. Merganser, 38; Red-breasted Merganser, 16; Turkey Vulture, 21; Black Vulture, 19; Goshawk, 1 (observed at rest and in flight at 250 yds. with 20x scope; distinctive size, flight and light coloration noted by F.R.S.); Sharp-shinned Hawk, 1; Red-shouldered Hawk, 4; Bald Eagle, 7; Marsh Hawk, 1; Sparrow Hawk, 5; Bob-white, 12; Am. Coot, 110; Killdeer, 14; Herring Gull, 11; Ring-billed Gull, 557; Mourning Dove, 7; Belted Kingfisher, 2; Yellow-shafted Flicker, 27; Pileated Woodpecker, 2; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 3; Downy Woodpecker, 38; Eastern Phoebe, 3; Horned Lark (Prairie), 51; Blue Jay, 31; Am. Crow, 79; Carolina Chickadee, 77; Tufted Titmouse, 40; White-breasted Nuthatch, 15; Brown Creeper, 29; House Wren, 2 (K.R.L., C.E.S.); Winter Wren, 17; Carolina Wren, 65; Mockingbird, 26; Catbird, 1; Brown Thrasher, 2; Am. Robin, 30; Hermit Thrush, 32; Eastern Bluebird, 44; Golden-crowned Kinglet, 105; Ruby-crowned Kinglet, 8; Cedar Waxwing, 17; Loggerhead Shrike, 1; Common Starling, 345 (250 est., 95); Myrtle Warbler, 65; House Sparrow, 48; Eastern Meadowlark, 134; Red-winged Blackbird,

41; Cardinal, 129; Purple Finch, 9; Am. Goldfinch, 203; Eastern Towhee, 73; Slate-colored Junco, 897; Field Sparrow, 114; White-throated Sparrow, 507; Fox Sparrow, 3; Swamp Sparrow, 46; Song Sparrow, 196. **Total,** 73 species; about 6711 individuals.—K. R. Lawless, F. R. Scott, C. E. Stevens.

150. Shenandoah National Park, Va. (7½-mile radius centering on Skyland and including Park Headquarters area, Thornton Gap north to Pass Mtn. shelter, U. S. Rte. 211 from west Park boundary to east Park boundary, Whiteoak Canyon Trail to upper falls, Skyland, Big Meadows area as far south as Milam Gap, and Rapidan Road to Camp Hoover and vicinity; altitude 1000 to 3680 ft.; deciduous woods 50%, pine woods 5%, hemlock groves 6%, mixed evergreen planting 2%, abandoned fields 37%).—Dec. 27; 7 a.m. to 5 p.m. Clear; temp. -1° to 25°; wind NW to S, 0-10 m.p.h.; ground bare on lower slopes, up to 6-in. crusted snow on ridge crest. Three observers in 1 to 3 parties. Total party-hours, 22½ (18 on foot, 4½ by car); total party-miles, 119 (17 on foot, 102 by car). Turkey Vulture, 26; Red-tailed Hawk, 3 (including 1 albino spending 5th consecutive winter in the Thornton Gap vicinity); Broad-winged (?) Hawk, 1 (J.E.L.); Rough-legged Hawk, 1; Marsh Hawk, 1; Ruffed Grouse, 6; Bob-white, 22; Pileated Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 6; Common Raven, 2; Am. Crow, 33; Carolina Chickadee, 50; Tufted Titmouse, 21; White-breasted Nuthatch, 2; Brown Creeper, 4; Winter Wren, 9; Carolina Wren, 4; Mockingbird, 3; Hermit Thrush, 1; Eastern Bluebird, 7; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 1; Common Starling, 47; Cardinal, 14; Purple Finch, 21; Am. Goldfinch, 63; Slate-colored Junco, 104 (both Carolina and typical Slate-colored seen); White-throated Sparrow, 47; Song Sparrow, 4. **Total,** 31 species (1 additional subspecies); 526 individuals. (Seen in area during count period: Black Vulture, 15; Sparrow Hawk, 2; Am. Robin, 1; House Sparrow, 5.)—Paul G. Favour, Jr., James E. Liles, Charles E. Stevens, Jr.

151. Warren (Albemarle Co.), Va. (James River from Hatton to Goosby Island and area about Keene, Totier Creek, Scottsville, and Warren; open farmland 45%, river-bottom 35%, deciduous woods 15%, pine woods 5%).—Dec. 24; 7 a.m. to 5:10 p.m. Fair in a.m., cloudy in p.m.; temp. 35° to 60°; wind S to W, 0-30 m.p.h. Much of the river-bottom weed fields swept bare by recent floods. Two observers together in a.m., 1 observer in p.m. Total hours, 10; total miles, 28 (13 on foot, 15 by car). Mallard, 5; Am. Golden-eye, 2; Turkey Vulture, 36; Black Vulture, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Bob-white, 39 (3 coveys and 1 single); Killdeer, 17; Wilson's Snipe, 1; Mourning Dove, 27; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Pileated Woodpecker, 1; Red-bellied Woodpecker, 6; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 5; Eastern Phoebe, 1; Horned Lark, 76; Blue Jay, 24; Am. Crow, 156; Carolina Chickadee, 35; Tufted Titmouse, 11; White-breasted Nuthatch, 6; Brown Creeper, 5; Winter Wren, 3; Carolina Wren, 21; Mockingbird, 16; Catbird, 1; Hermit Thrush, 5; Eastern Bluebird, 15; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 1; Water Pipit, 32; Cedar Waxwing, 47; Loggerhead Shrike, 3; Starling, 27; Myrtle Warbler, 34; House Sparrow, 42; Eastern Meadowlark, 82; Cardinal, 46; Purple Finch, 14; Pine Siskin, 15; Am. Goldfinch, 30; Eastern Towhee, 7; Slate-colored Junco, 213; Am. Tree Sparrow, 22; Field Sparrow, 55; White-throated Sparrow, 61; Swamp Sparrow, 1; Song Sparrow, 44. **Total,** 56 species; 1337 individuals.—William F. Minor, Charles E. Stevens, Jr.

152. Yorktown, Va. (York River from Felgaters Creek to Yorktown, Colonial Parkway, Seaford, Harwood Mills Reservoir, Newport News reservoir, Denbigh; open farmland 15%, pine woodlands 25%, deciduous woodlands 20%, marshes and river shore 40%).—Dec. 29; 7:30 a.m. to 5 p.m. Overcast, steady rain in a.m., becoming intermittent in p.m.; temp. 32° to 40°; wind NE, 2-10 m.p.h.; ground bare, water open. Four observers in 2 parties. Total party-hours, 18 (16 on foot, 2 by car); total party-miles, 88 (8 on foot, 80 by car). Common Loon, 5; Horned Grebe, 86; Pied-billed Grebe, 19; Double-crested Cormorant, 1; Great Blue Heron, 14; Green Heron, 1 (small dark heron seen ¼ mile away flying with slow wing beats across wide inlet—C.E.S.); Gadwall, 47; Am. Widgeon, 87; Pintail, 8; Redhead, 1; Ring-necked Duck, 275; Canvas-back, 88; scaup (sp.), 124; Am. Golden-eye, 328; Buffle-head, 135; White-winged Scoter, 60 (est.); Surf Scoter, 100 (est.); Ruddy Duck, 1264; Hooded Merganser, 110; Am. Merganser, 121; Red-breasted Merganser, 25; Turkey Vulture, 40; Black Vulture, 23; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Bald Eagle, 7; Marsh Hawk, 1; Sparrow Hawk, 6; Bob-white, 5; King Rail, 1; Clapper Rail, 1; Am. Coot, 3; Piping Plover, 1 (pale plover with indistinct neck ring flushed at close quarters from sandy beach; observed several minutes—C.E.S., J.H.G.); Killdeer, 29; Black-bellied Plover, 3; Wilson's Snipe, 1; Greater Yellow-legs, 1; Red-backed Sandpiper, 37; Herring Gull, 18; Ring-billed Gull, 231; Laughing Gull, 5; Mourning Dove, 46; Belted Kingfisher, 10; Yellow-shafted Flicker, 26; Pileated Woodpecker, 6; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 9; Eastern Phoebe, 3; Tree Swallow, 18; Blue Jay, 3; Am. Crow, 84; Fish Crow, 1; Carolina Chickadee, 43; Tufted Titmouse, 32; White-breasted Nuthatch, 7; Brown-headed Nuthatch, 5; Brown Creeper, 2; House Wren, 6; Winter Wren, 4; Carolina Wren, 47; Short-billed Marsh Wren, 2; Mockingbird, 25; Catbird, 2; Brown Thrasher, 3; Am.

Robin, 5; Hermit Thrush, 10; Eastern Bluebird, 20; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 3; Water Pipit, 1; Common Starling, 482 (120 est., 362); Myrtle Warbler, 609; Pine Warbler, 6; Palm Warbler (Western), 1; Common Yellowthroat, 4; House Sparrow, 55; Eastern Meadowlark, 278 (150 est., 128); Red-winged Blackbird, 1526 (1300 est., 226); Rusty Blackbird, 2; Brown-headed Cowbird, 377; Cardinal, 63; Am. Goldfiinch, 77; Eastern Towhee, 38; Savannah Sparrow, 26; Sharp-tailed Sparrow, 2; Slate-colored Junco, 378; Field Sparrow, 189; White-throated Sparrow, 290; Fox Sparrow, 1; Swamp Sparrow, 20; Song Sparrow, 187. **Total,** 93 species; about 8374 individuals.—J. H. Grey, K. R. Lawless, F. R. Scott, C. E. Stevens.

153. Chapel Hill, N. C. (5-mile radius from Post Office, including University Lake, Eastwood Lake, Hogan's Pond, and Mason Farm; pasture and fallow fields 45%, upland deciduous woodland 35%, pine forest 10%, flood-plain woodland 5%, urban land 5%).—Dec. 23; 6:30 a.m. to 6 p.m. Clear; temp. 24° to 58°; wind W or none, less then 5 m.p.h.; all water frozen over. Six observers in 5 parties. Total party-hours, 35 (25 on foot, 10 by car); total party-miles, 59 (30 on foot, 26 by car, 3 by bicycle). Canada Goose, 5; Black Duck, 20; Ring-necked Duck, 26; Turkey Vulture, 10; Black Vulture, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 7; Sparrow Hawk, 2; Bob-white, 51; Turkey, 3; Am. Coot, 30; Killdeer, 3; Mourning Dove, 2; Barn Owl, 1; Horned Owl, 1; Yellow-shafted Flicker, 32; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 12; Hairy Woodpecker, 3; Downy Woodpecker, 24; Eastern Phoebe, 2; Horned Lark, 26; Blue Jay, 26; Am. Crow, 63; Carolina Chickadee, 56; Tufted Titmouse, 41; White-breasted Nuthatch, 8; Brown-headed Nuthatch, 11; Brown Creeper, 3; Winter Wren, 5; Carolina Wren, 35; Mockingbird, 19; Brown Thrasher, 3; Am. Robin, 1; Hermit Thrush, 34; Eastern Bluebird, 78; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 5; Water Pipit, 76; Cedar Waxwing, 11; Loggerhead Shrike, 1; Common Starling, 17; Myrtle Warbler, 24; Pine Warbler, 7; House Sparrow, 13; Eastern Meadowlark, 54; Cardinal, 112; Purple Finch, 1; Am. Goldfinch, 77; Eastern Towhee, 34; Savannah Sparrow, 13; Slate-colored Junco, 400 (est.); Field Sparrow, 59; White-throated Sparrow, 450 (est.); Fox Sparrow, 4; Swamp Sparrow, 51; Song Sparrow, 150 (est.). **Total,** 61 species; about 2232 individuals. (Seen in area both before and after count, Baltimore Oriole, Pine Siskin.)—W. L. McAtee, Mark Orr, Phillips Russell, W. W. Thomas, Mrs. Harold Walters, Richard Weaver.

154. Charlotte, N. C. (area essentially the same as in last 8 years, including Clarkson city garden; ponds along Albemarle road and upper basin of McAlpine Creek; Freedom Park; pine, gum, poplar 45%, cleared 40%, hedgerows, 10%, ponds and marshes 5%).—Dec. 30; 7 a.m. to 4:30 p.m. Cloudy, light rain; temp. 34° to 40°; wind N, 1-7 m.p.h.; light ice at pond edges from earlier freeze. Eleven observers in 4 parties. Total party-hours, 30 (18 on foot, 12 by car); total party-miles, 95 (15 on foot, 80 by car). Great Blue Heron, 1; Turkey Vulture, 1; Black Vulture, 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; Bob-white, 2; **Florida Gallinule,** 1 (present since last spring; seen almost daily); Killdeer, 6; Mourning Dove, 42; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 7; Eastern Phoebe, 1; Blue Jay, 16; Am. Crow, 53; Carolina Chickadee, 20; Tufted Titmouse, 10; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 9; Brown Creeper, 1; Carolina Wren, 10; Mockingbird, 14; Brown Thrasher, 5; Am. Robin, 63; Hermit Thrush, 3; Eastern Bluebird, 6; Ruby-crowned Kinglet, 3; Cedar Waxwing, 48; Loggerhead Shrike, 13; Common Starling, 55; Myrtle Warbler, 14; Pine Warbler, 12; **Common Yellowthroat,** 1; House Sparrow, 17; Eastern Meadowlark, 42; Cardinal, 48; Purple Finch, 2; Am. Goldfinch, 3; Eastern Towhee, 9; **Vesper Sparrow,** 2; Slate-colored Junco, 80; Field Sparrow, 26; **White-crowned Sparrow,** 1; White-throated Sparrow, 71; Fox Sparrow, 4; Song Sparrow, 31. **Total,** 47 species; 765 individuals.—Dan Burroughs Jr., B. R. Chamberlain, B. R. Chamberlain, Jr., Margaret Chamberlain, Norman Chamberlain, Mrs. E. O. Clarkson, Lucille Herrin, Steve Mahaley, Mrs. Robert W. Poole, William Smith, Olin Wearn (Mecklenburg Audubon Club).

155. Greensboro, N. C. (area centering ½ mile SW of WBIG transmitter; same regions as in 1949; deciduous and pine woods 25%, open fields 15%, thickets 15%, fresh-water lakes and ponds 25%, marsh and wooded swamp 10%, lawns and parks 10%).—Dec. 30; 7 a.m. to 5:30 p.m. Overcast; temp. 32° to 37°; wind NW, 0-5 m.p.h.; light fog in a.m., rain and drizzle in p.m. Twenty-four observers in 12 parties. Total party-hours, 77 (57 on foot, 20 by car); total party-miles, 167 (49 on foot, 119 by car). Horned Grebe, 1; Great Blue Heron, 2; Mallard, 5; Black Duck, 4; Green-winged Teal, 2; Wood Duck, 2; Redhead, 9; Ring-necked Duck, 5; Lesser Scaup, 11; Am. Golden-eye, 1; Hooded Merganser, 1; Turkey Vulture, 26; Sharp-shinned Hawk, 3; Cooper's Hawk, 4; Red-tailed Hawk, 4; Red-shouldered Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 3; Bob-white, 50; Virginia Rail, 1; Am. Coot, 2; Killdeer, 49; Wilson's Snipe, 4; Mourning Dove, 161; Screech Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 69; Pileated Woodpecker, 1; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 23; Hairy Woodpecker, 12; Downy Woodpecker, 44; Eastern Phoebe, 9; Horned Lark, 146; Blue Jay, 156; Am. Crow, 191; Carolina Chickadee, 271; Tufted Titmouse, 143; White-breasted Nuthatch, 39; Brown-headed Nuthatch, 10; Brown Creeper, 15; Winter Wren, 26; Carolina Wren, 72; Mockingbird, 85; Brown Thrasher, 2;

Am. Robin, 77; Hermit Thrush, 21; Eastern Bluebird, 119; Golden-crowned Kinglet, 50; Ruby-crowned Kinglet, 27; Cedar Waxwing, 82; Loggerhead Shrike, 7; Common Starling, 7541; Myrtle Warbler, 29; Pine Warbler, 14; House Sparrow, 429; Eastern Meadowlark, 479; Red-winged Blackbird, 50; Rusty Blackbird, 20; Brown-headed Cowbird, 15; Cardinal, 300; Purple Finch, 3; Pine Siskin, 11; Am. Goldfinch, 125; Eastern Towhee, 142; Savannah Sparrow, 12; Slate-colored Junco, 2257; Chipping Sparrow, 11; Field Sparrow, 905; White-throated Sparrow, 1006; Fox Sparrow, 11; Swamp Sparrow, 32; Song Sparrow, 252. **Total,** 74 species; 15,728 individuals.—Edith Settan, Eta Shiffman, A. D. Schaftesbury, George A. Smith, Thomas E. Street, Hal. H. Strickland, Jr., Mr. and Mrs. Charles M. Swart, Wesley Taylor, Margaret Y. Wall, Mrs. Floyd Hugh Craft, Oscar H. Paris, Jr., John Carr, Mrs. W. C. Carr, Inez Coldwell, Evelyn Cole, C. R. Lamb, Ann Locke, Ethel McNairy, Mr. and Mrs. Hugh Medford, Ida Mitchell, Mr. and Mrs. George Perrett.

156. High Point, N. C. (7½-mile radius centering on Springfield Meetinghouse, including High Point Municipal Lake and watershed; lake and shoreline 40%, mixed woods 25%, open farmland 20%, residential area 15%).—Dec. 26; 6:30 a.m. to 5:30 p.m. Clear; temp. 27° to 62°; wind SW, 8-10 m.p.h.; ground clear, scattered ice on ponds. Fifteen observers in 4 parties. Total party-hours, 14 (10 on foot, 4 by car); total party-miles, 30 (10 on foot, 20 by car). Pied-billed Grebe, 5; Mallard, 62; Black Duck, 26; Ring-necked Duck, 58; scaup (sp.), 8; Ruddy Duck, 1; Am. Merganser, 1; Turkey Vulture, 19; Black Vulture, 2; Red-tailed Hawk, 2; Sparrow Hawk, 1; Bob-white, 2; Turkey, 8; Killdeer, 3; Mourning Dove, 5; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 6; Eastern Phoebe, 3; Blue Jay, 13; Am. Crow, 77; Carolina Chickadee, 26; Tufted Titmouse, 25; White-breasted Nuthatch, 8; Brown Creeper, 1; Carolina Wren, 7; Mockingbird, 10; Brown Thrasher, 3; Am. Robin, 35; Hermit Thrush, 7; Eastern Bluebird, 41; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 8; Cedar Waxwing, 19; Loggerhead Shrike, 9; Common Starling, 36; Myrtle Warbler, 16; Pine Warbler, 1; Common Yellowthroat, 1 (J.W.F., J.M.); House Sparrow, 18; Eastern Meadowlark, 29; Cardinal, 28; Purple Finch, 12; Am. Goldfinch, 24; Eastern Towhee, 11; Savannah Sparrow, 3; Slate-colored Junco, 74; Field Sparrow, 5; White-throated Sparrow, 39; Song Sparrow, 11. **Total,** 53 species; 834 individuals. (Seen in area Dec. 23: Great Blue Heron, 1; Horned Lark, 14.)—Florence Baker, J. W. Furr, Mrs. C. C. Haworth, Mrs. J. F. Hayden, Mrs. C. B. Mattocks, James Mattocks (compiler), Genevieve Moore, Mrs. D. R. Parker, I. J. Quigley, Mr. and Mrs. R. I. Quigley, Edith Sherrod, Bess Siceloff, Mary Alice Siceloff, Mrs. J. C. Siceloff (Catesby Bird Club).

157. Mattamuskeet National Wildlife Refuge, New Holland, N. C. (same area as 1940 and subsequent Christmas counts; Mattamuskeet Refuge and adjacent woods and fields, including public road across the lake; marsh 30%, open water 40%, fields and thickets 20%, pine and cypress woods 10%).—Dec. 29; 5 a.m. to 4 p.m. Overcast all day, foggy in early a.m., occasional light showers during a.m., heavy showers during late p.m.; temp. 39° to 56°; no wind. Three observers mostly together. Total party-hours, 10½; total party-miles, 59 (2 on foot, 57 by car). Pied-billed Grebe, 1; Great Blue Heron, 6; Am. Egret, 7; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 3; Whistling Swan, 38; Canada Goose, 8500 (est.); Blue Goose, 2; Mallard, 100; Black Duck, 500 (est.); Gadwall, 1; Pintail, 1200; Wood Duck, 12; Buffle-head, 2; Ruddy Duck, 6; Hooded Merganser, 3; Am. Merganser, 1; Turkey Vulture, 4; Sharp-shinned Hawk, 2; Red-shouldered Hawk, 2; Bald Eagle, 6; Sparrow Hawk, 5; Bob-white, 7; Killdeer, 4; Red-backed Sandpiper, 1; Herring Gull, 1; Ring-billed Gull, 9; Bonaparte's Gull, 1; Mourning Dove, 5; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 24; Pileated Woodpecker, 1; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 4; Tree Swallow, 375; Am. Crow, 100; Carolina Chickadee, 4; Winter Wren, 4; Carolina Wren, 15; Mockingbird, 8; Catbird, 24; Brown Thrasher, 3; Am. Robin, 250; Hermit Thrush, 2; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 9; Common Starling, 500 (est.); Orange-crowned Warbler, 2; Myrtle Warbler, 2000 (est.); Pine Warbler, 1; House Sparrow, 5; Eastern Meadowlark, 12; Red-winged Blackbird, 2500 (est.); Purple Grackle, 10; Cardinal, 14; Am. Goldfinch, 8; Eastern Towhee, 12; Savannah Sparrow, 18; White-throated Sparrow, 200; Fox Sparrow, 4; Song Sparrow, 75. **Total,** 65 species; about 16,628 individuals.—W. G. Cahoon (Refuge Manager), Royston R. Rudolph (Assistant), A. D. Shaftesbury (compiler).

158. Mt. Olive, N. C. (7½-mile radius including the Wooten Williams, and Brandon farms and Jones' Mill; open fields 50%, pine woods 10%, mixed pine and deciduous woods 35%, small ponds 5%).—Dec. 23; 6:30 a.m. to 5 p.m. Clear; temp. 28° to 48°; wind E, 8-12 m.p.h.; ground and all ponds frozen for past 6 days. One observer. Total hours, 10½ (10 on foot, ½ by car); total miles, 30 (10 on foot, 20 by car). Pied-billed Grebe, 2; Turkey Vulture, 4; Black Vulture, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 7; Bob-white, 12; Killdeer, 6; Mourning Dove, 29; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 46; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 18; Red-cockaded Woodpecker, 2; Eastern Phoebe, 19; Blue Jay, 17; Am.

Crow, 10; Carolina Chickadee, 30; Tufted Titmouse, 14; Brown-headed Nuthatch, 3; Winter Wren, 3; Carolina Wren, 26; Mockingbird, 8; Catbird, 2; Brown Thrasher, 6; Am. Robin, 250 (est.); Hermit Thrush, 34; Eastern Bluebird, 36; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 16; Water Pipit, 38; Loggerhead Shrike, 11; Common Starling, 500 (est.); Myrtle Warbler, 300 (est.); Pine Warbler, 1; Palm Warbler, 1; Common Yellowthroat, 1; House Sparrow, 85; Eastern Meadowlark, 41; Red-winged Blackbird, 73; Rusty Blackbird, 3; Brown-headed Cowbird, 34; Cardinal, 23; Purple Finch, 3; Pine Siskin, 1; Am. Goldfinch, 46; Eastern Towhee, 36 (including 1 White-eyed); Savannah Sparrow, 21; Vesper Sparrow, 6; Slate-colored Junco, 450 (est.); Field Sparrow, 25; White-throated Sparrow, 400 (est.); Fox Sparrow, 9; Swamp Sparrow, 2; Song Sparrow, 200 (est.). **Total,** 61 species (1 additional subspecies); about 2953 individuals. (Several species such as White-breasted Nuthatch, Cedar Waxwing, Marsh Hawk, and Chipping Sparrow which have been found on all previous censuses were not seen this year—possibly due to an extended period of severe weather.)—Bob Holmes III.

159. Pea Island National Wildlife Refuge and Oregon Inlet, Dare Co., N. C. (same area as in 1945 and subsequent Christmas counts; open water 50%, salt marsh, ponds and shore 30%, sand dunes mostly covered with high grass and few myrtle bushes 20%).—Dec. 28; 7 a.m. to 3:30 p.m. Overcast; temp. 40° to 45°; wind NE, 8-20 m.p.h. Three observers together. Total party-hours, 8½; total party-miles, 15 (mostly by truck). Common Loon, 1; Pied-billed Grebe, 3; Great Blue Heron, 5; Louisiana Heron, 2; Yellow-crowned Night Heron, 9; Am. Bittern, 1; Whistling Swan, 2; Canada Goose, 3259; Barnacle Goose, 1 (good views at close range); Snow Goose, 8270; Black Duck, 204; Gadwall, 3; Pintail, 1620; Green-winged Teal, 234; Shoveller, 80; Ring-necked Duck, 400; Canvas-back, 3; scaup (sp.), 16; Buffle-head, 1; Ruddy Duck, 247; Hooded Merganser, 9; Red-breasted Merganser, 1; Marsh Hawk, 4; Peregrine Falcon, 2; Pigeon Hawk, 1; Sparrow Hawk, 1; Am. Coot, 794; Killdeer, 2; Greater Yellow-legs, 2; Great Black-backed Gull, 54; Herring Gull, 700; Ring-billed Gull, 200; Myrtle Warbler, 160; Eastern Meadowlark, 27; Red-winged Blackbird, 20; Boat-tailed Grackle, 21; Savannah Sparrow, 6; Sharp-tailed Sparrow, 2; Seaside Sparrow, 28. **Total,** 39 species; about 16,395 individuals. (The Barnacle Goose had been on the refuge since Nov. 23; about 700 unidentified ducks were seen; no Robins were seen though hundreds had been here a week before the count.) —Houston C. Phillips (Patrolman), A. D. Shaftesbury (compiler), Lewis B. Turner (Refuge Manager).

160. Raleigh, N. C. (7½-mile radius from State Capitol, including Pullen Park and Pond, Lakes Raleigh-Johnson, Yates Pond, Boneyard Lake and Walnut Creek, Country Club lake and Boones Pond, Lead Mines; lakes and small ponds 40%, mixed pine and deciduous woodland 15%, deciduous woodland 10%, open fields 10% [total only 75% as in 2 previous years—Ed.]).—Dec. 30; 7:30 a.m. to 5:30 p.m. Fog early with heavy clouds and occasional rain all day; temp. 32° to 43°; wind calm; ground bare, water open. Nine observers in 6 parties. Total party-hours, 31 (27 on foot, 4 by car); total party-miles, 35 (27 on foot, 8 by car). Pied-billed Grebe, 1; Great Blue Heron, 5; Mallard, 39; Black Duck, 6; Gadwall, 2; Green-winged Teal, 2; Redhead, 1; Ring-necked Duck, 48; Lesser Scaup, 2; Buffle-head, 4; Ruddy Duck, 1; Hooded Merganser, 1; Red-breasted Merganser, 1; Turkey Vulture, 2; Sharp shinned Hawk, 1; Cooper's Hawk, 2; Sparrow Hawk, 2; Bob-white, 7; Killdeer, 10; Mourning Dove, 16; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 4; Eastern Phoebe, 2; Blue Jay, 67; Am. Crow, 41; Carolina Chickadee, 16; Tufted Titmouse, 26; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 7; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 31; Mockingbird, 27; Brown Thrasher, 4; Hermit Thrush, 1; Eastern Bluebird, 21; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 5; Cedar Waxwing, 55; Loggerhead Shrike, 4; Common Starling, 230; Myrtle Warbler, 1; Pine Warbler, 2; Common Yellowthroat, 1; House Sparrow, 39; Eastern Meadowlark, 51; Cardinal, 62; Am. Goldfinch, 52; Eastern Towhee, 14; Slate-colored Junco, 315; Field Sparrow, 38; White-throated Sparrow, 169; Swamp Sparrow, 1; Song Sparrow, 35. **Total,** 60 species; 1512 individuals.—D. L. Wray (compiler), E. W. Winkler, J. F. Greene, Robt. Overing, Wm. Hamnett, J. W. Johnson, Ethel Wray, Virginia Pickelle, F. B. Meacham.

161. Statesville, N. C. (5-mile radius centering on Front and Center Streets and including Oakwood Cemetery, also the country west of Statesville called New Sterling, and farms east and northeast of town; town and suburbs 20%, mixed wood lots 35%, plowed land 40%, lake and stream 5%).—Dec. 27; 8 a.m. to 5:30 p.m. Cloudy; temp. 26° to 32°; wind NE, 15-25 m.p.h.; ground partly frozen but streams ice free. Seven observers in 3 parties. Total party-hours, 12 (9 on foot, 3 by car); total party-miles, 68 (10 on foot, 58 by car). Canada Goose, 4; Mallard, 8; Black Duck, 1; Turkey Vulture, 10; Marsh Hawk, 4; Sparrow Hawk, 3; Bob-white, 15; Mourning Dove, 75; Screech Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 4; Downy Woodpecker, 8; Eastern Phoebe, 5; Horned Lark, 350; Blue Jay, 12; Am. Crow, 35; Carolina Chickadee, 8; Tufted Titmouse, 18; White-breasted Nuthatch, 1; Carolina Wren, 7; Mockingbird, 20; Brown Thrasher, 6; Am. Robin, 3; Eastern Bluebird, 75; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Water Pipit, 8; Loggerhead

Shrike, 12; Common Starling, 400; Myrtle Warbler, 2; House Sparrow, 250; Eastern Meadowlark, 350; Rusty Blackbird, 15; Purple Grackle, 6; Cardinal, 50; Am. Goldfinch, 30; Eastern Towhee, 25; Slate-colored Junco, 285; Field Sparrow, 15; White-crowned Sparrow, 7; White-throated Sparrow, 15; Fox Sparrow, 2; Song Sparrow, 8. **Total,** 44 species; 2162 individuals.—W. B. Crawford, Nancy Eliason, Jane Eliason, Sonny Gray, John Long, Sarah Nooe (compiler), W. G. Templeton.

162. Wilmington, N. C. (New Hanover and Brunswick Counties; sixth count in area; 7½-mile radius centering on Monkey Junction on the Carolina Beach Road and including Wrightsville Beach and Sound, Masonboro and Greenville Sounds, Winter Park, Orton and Pleasant Oak Plantations, Cape Fear River and Greenfield Lake; mixed pine and deciduous woodland 60%, fresh-water pond and river 15%, beach and salt marsh 20%, pasture 5%).—Dec. 27; 7 a.m. to 5 p.m. Cloudy; temp. 28° to 33°; wind NE, 12-35 m.p.h.; ground bare, water open except for thin ice near shore. Sixteen observers in 7 parties. Total party-hours, 53½ (28 on foot, 25½ by car); total party-miles, 247 (50 on foot, 197 by car). Common Loon, 28; Red-throated Loon, 9; Horned Grebe, 44; Pied-billed Grebe, 53; Brown Pelican, 6; Gannet, 23; Double-crested Cormorant, 32; Great Blue Heron, 18; Am. Egret, 33; Snowy Egret, 52; Louisiana Heron, 17; Little Blue Heron, 10; Green Heron, 1; Black-crowned Night Heron, 5; Canada Goose, 58; **White-fronted Goose,** 2 (observed at 50 ft with 8x binoculars—C.McA.); Mallard, 3; Black Duck, 37; Gadwall, 13; European Widgeon, 1; Am. Widgeon, 192; Pintail, 16; Green-winged Teal, 53; Blue-winged Teal, 23 (O.P.); Wood Duck, 29; Redhead, 2; Ring-necked Duck, 23; Canvas-back, 18; Greater Scaup, 2; Lesser Scaup, 11; Am. Golden-eye, 5; Buffle-head, 122; Old-squaw, 3; White-winged Scoter, 9; Surf Scoter, 37; Am. Scoter, 33; Ruddy Duck, 22; Hooded Merganser, 176; Red-breasted Merganser, 813; Black Vulture, 2; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 5; Bald Eagle, 12; Marsh Hawk, 6; Osprey, 1; Peregrine Falcon, 1; Sparrow Hawk, 14; Bob-white, 9; King Rail, 4; Clapper Rail, 3; Florida Gallinule, 1; Am. Coot, 179; Am. Oyster-catcher, 5; Piping Plover, 4; Ringed Plover, 38; Killdeer, 119; Black-bellied Plover, 109; Ruddy Turnstone, 1; Am. Woodcock, 2; Wilson's Snipe, 6; Willet, 2; Greater Yellow-legs, 21; Red Knot, 7; Purple Sandpiper, 5; Least Sandpiper, 8; Red-backed Sandpiper, 290; Semipalmated Sandpiper, 26; Western Sandpiper, 14; Sanderling, 42; Herring Gull, 13,906 (est.); Ring-billed Gull, 3611 (est.); Laughing Gull, 24; Bonaparte's Gull, 69; Forster's Tern, 151; Least Tern, 5 (C.McA.); Royal Tern, 9 (C.McA.); Caspian Tern, 203 (C.McA.); Black Skimmer, 270; Mourning Dove, 92; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 24; Yellow-shafted Flicker, 68; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 2; Downy Woodpecker, 11; Red-cockaded Woodpecker, 17; Eastern Phoebe, 18; Tree Swallow, 11; Blue Jay, 77; Am. Crow, 71; Fish Crow, 1531 (est.); Carolina Chickadee, 76; Tufted Titmouse, 43; Brown-headed Nuthatch, 68; Brown Creeper, 2; House Wren, 10; Winter Wren, 12; Carolina Wren, 42; Long-billed Marsh Wren, 5; Short-billed Marsh Wren, 1; Mockingbird, 94; Catbird, 5; Brown Thrasher, 22; Am. Robin, 1451 (est.); Hermit Thrush, 38; Eastern Bluebird, 45; Blue-gray Gnatcatcher, 12; Golden-crowned Kinglet, 23; Ruby-crowned Kinglet, 41; Water Pipit, 121; Cedar Waxwing, 58; Loggerhead Shrike, 31; Common Starling, 307; Solitary Vireo, 3; Myrtle Warbler, 636; Pine Warbler, 89; Palm Warbler, 3; Common Yellowthroat, 4; House Sparrow, 311; Eastern Meadowlark, 331; Red-winged Blackbird, 1946; Rusty Blackbird, 4; Boat-tailed Grackle, 11; Purple Grackle, 1; Brown-headed Cowbird, 26; Cardinal, 79; Purple Finch, 30; Pine Siskin, 18; Am. Goldfinch, 182; Eastern Towhee, 119; Savannah Sparrow, 152; Henslow's Sparrow, 2; Sharp-tailed Sparrow, 4; Seaside Sparrow, 21; Vesper Sparrow, 85; Slate-colored Junco, 289; Chipping Sparrow, 218; Field Sparrow, 37; White-throated Sparrow, 961; Fox Sparrow, 288; Swamp Sparrow, 22; Song Sparrow, 120. **Total,** 147 species; about 31,673 individuals. (Seen in the area Dec. 23: Orange-crowned Warbler; Dec. 26: 2 Shovellers, 2 Turkey Vultures. Live Whip-poor-will brought in by Urich's cat at Wrightsville Sound Dec. 30. Our census day was the worst for observers and the best for birds we have ever had. The cold and wind had brought the ducks and sea birds into the river and sound bays. —Polly Mebane, Larry Crawford, John Funderburg, Evan Thomas, G. E. Thomas, Mrs. G. E. Thomas, Cecil Appleberry, Louise Forsyth, Bob Holmes III, Claude McAllister, Don McAllister, Mary Urich, J. A. Bodine, Mary Baker, Oscar Paris, Edna Appleberry (compiler), (Wilmington Natural Science Club).

163. Windom, N. C. (farms of L. H. Hutchins, Mack Silver, Mrs. C. P. Gibson, and adjacent territories; cultivated land 25%, pasture 25%, woodland 23%, grown up fields 25%, pine grove 2%). —Dec. 30; 8 a.m. to 5 p.m. Cloudy; temp. 40° to 50°; wind W, 5-10 m.p.h. Four observers in 2 parties. Total party-hours, 16 (on foot); total party-miles, 20. Sharp-shinned Hawk, 1; Bob-white, 10; Wilson's Snipe, 2; Mourning Dove, 4; Downy Woodpecker, 5; Blue Jay, 11; Am. Crow, 300; Black-capped Chickadee, 20; Tufted Titmouse, 12; Carolina Wren, 17; Mockingbird, 1; Am. Robin, 2; Eastern Bluebird, 18; Common Starling, 54; House Sparrow, 459; Eastern Meadowlark, 10; Cardinal, 51; Am. Goldfinch, 93; Eastern Towhee, 2; Slate-colored Junco (Carolina), 125; White-throated Sparrow, 10; Fox Sparrow, 5; Field Sparrow, 130; Song Sparrow, 168. **Total,** 24 species; 1510 individuals.—Roosevelt Hughes, Paul Hughes, Wade Styles, and James Hutchins (compiler).

164. Winston-Salem, N. C. (15-mile area from City Lake to Yadkin River; pasture 5%, plowed land 5%, old fields 15%, deciduous woods 25%, town suburbs 10%, lakes and rivers 40%).—Dec. 23; 6:30 a.m. to 7 p.m. Clear; temp. 27° to 58°; wind negligible; lakes 98% frozen over. Nineteen observers in 6 parties. Total party-hours, 48 (44 on foot, 4 by car); total party-miles, 134 (42 on foot, 92 by car). Great Blue Heron, 2; Canada Goose, 111; Mallard, 265; Black Duck, 26; Ring-necked Duck, 4; scaup (sp.), 4; Ruddy Duck, 2; Turkey Vulture, 23; Black Vulture, 5; Cooper's Hawk, 1; Sparrow Hawk, 2; Bob-white, 184; Killdeer, 6; Mourning Dove, 35; Screech Owl, 1 (dead); Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 6; Yellow-bellied Sapsucker, 18; Hairy Woodpecker, 1; Downy Woodpecker, 9; Eastern Phoebe, 9; Blue Jay, 28; Am. Crow, 85; Carolina Chickadee, 46; Tufted Titmouse, 44; White-breasted Nuthatch, 18; Brown Creeper, 2; Winter Wren, 2; Carolina, Wren, 25; Mockingbird, 22; Am. Robin, 7; Hermit Thrush, 10; Eastern Bluebird, 48; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 9; Water Pipit, 80; Cedar Waxwing, 47; shrike (sp.) 3; Common Starling, 484; Myrtle Warbler, 11; House Sparrow, 111; Eastern Meadowlark, 53; Purple Grackle, 20; Brown-headed Cowbird, 30; Cardinal, 99; Purple Finch, 13; Am. Goldfinch, 19; Eastern Towhee, 28; Slate-colored Junco, 279; Field Sparrow, 134; White-throated Sparrow, 162; Song Sparrow, 62. **Total,** 54 species; 2734 individuals. (Seen in area Dec. 25: Red-breasted Merganser, 2.) The Starlings and Purple Grackles usually estimated at the roost in Graylyn were not estimated this year.—Dick Benbow, W. H. Chance, Eddie Crutchfield, Wayne Irvin, Henry Fishel, Jr., Elizabeth Magie, H. M. Magie, Clifford Peace, Mrs. D. A. Ricks, Graham Rights, John Ted Talley, Dr. and Mrs. Thomas W. Simpson, Mrs. Alex Sloan, Mr. and Mrs. James L. Stephenson, R. N. White, Mrs. W. R. Wyatt, R. H. Witherington (compiler).

165. Aiken, S. C. (6-mile radius centering on Aiken post office, including part of the Hitchcock woods, the Aiken training track, and the Aiken trotting track; mixed pine forest 50%, plowed fields 15%, deciduous trees with low bushes and brambles 5%, scattered pines with tall weeds 5%, town suburbs 25%).—Dec. 31; 7:30 a.m. to 6 p.m. (2 hrs. out at noon). Rain in early morning, then clear; temp. 40° to 46°; wind NNW, 4-12 m.p.h.; ground very wet most of day. Total hours, 9½ (on foot); total miles, 10½. Turkey Vulture, 1; Sharp-shinned Hawk, 1; Sparrow Hawk, 2; Bob-white, 12 (1 covey); Killdeer, 9; Mourning Dove, 2; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 5; Eastern Phoebe, 3; Blue Jay, 18; Am. Crow, 5; Tufted Titmouse, 3; Brown-headed Nuthatch, 2; House Wren, 1; Mockingbird, 10; Brown Thrasher, 4; Am. Robin, 94 (partly est.); Hermit Thrush, 5; Eastern Bluebird, 16; Ruby-crowned Kinglet, 2; Cedar Waxwing, 43; Common Starling, 3; Myrtle Warbler, 19; Pine Warbler, 5; Eastern Meadowlark, 38; Rusty Blackbird, 2; Brewer's Blackbird, 3 [no details—Ed.]; Brown-headed Cowbird, 58; Cardinal, 19; Am. Goldfinch, 15; Eastern Towhee, 6; Savannah Sparrow, 3; Vesper Sparrow, 1; Slate-colored Junco, 69; Field Sparrow, 7; White-throated Sparrow, 33; Song Sparrow, 7. **Total,** 40 species; about 539 individuals.—William Post, Jr.

166. Charleston, S. C. (Bull's Island, adjacent waters and marshes, mainland opposite, back beyond Wando River, as in preceding years; about one-fourth of area within Cape Romain National Wildlife Refuge; farmland 20%, fresh-water ponds and wooded swamps 25%, pine and mixed woods 25%, salt-water creeks, inlets, marshes and mud-flats 25%, dunes and ocean front 5%).—Dec. 27; dawn to 4 p.m. Mostly overcast, raw; temp. 32° to 50°; wind ENE, 10-20 m.p.h.; high tide, 9:35 a.m. Twenty-seven observers in 6 parties. Total party-hours, 46 (32 on foot, 12 by car, 2 by boat); total party-miles, 201 (25 on foot, 174 by car, 2 by boat). Common Loon, 3; Horned Grebe, 35; Pied-billed Grebe, 25; Gannet, 6; Double-crested Cormorant, 12; Great Blue Heron, 25; Am. Egret, 5; Snowy Egret, 7; Louisiana Heron, 30; Little Blue Heron, 15; Green Heron, 1; Black-crowned Night Heron, 5; Canada Goose, 1; Mallard, 670; Black Duck, 750; Gadwall, 65; Am. Widgeon, 2; Pintail, 1015; Green-winged Teal, 105; Blue-winged Teal, 100; Shoveller, 80; Wood Duck, 15; Redhead, 1; Ring-necked Duck, 335; Canvas-back, 400; scaup (sp.), 5; Am. Golden-eye, 1; Buffle-head, 15; Am. Scoter, 13; Ruddy Duck, 450; Hooded Merganser, 40; Red-breasted Merganser, 20; Turkey Vulture, 55; Black Vulture, 7; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Golden Eagle, 2 (ad. and imm. seen at 150 yds. with glasses—W.R., E.B.C., *et al.*); Bald Eagle, 11; Marsh Hawk, 20; Osprey, 1; Peregrine Falcon, 3; Pigeon Hawk, 2; Sparrow Hawk, 1; Bob-white, 6; Turkey, 15; Clapper Rail, 1; Purple Gallinule, 1 (occasional in winter—E.B.C.); Am. Coot, 130; Am. Oyster-catcher, 30; Ringed Plover, 2; Killdeer, 2; Black-bellied Plover, 20; Ruddy Turnstone, 10; Am. Woodcock, 2; Wilson's Snipe, 1; Hudsonian Curlew, 2; Willet, 6; Greater Yellow-legs, 40; Lesser Yellow-legs, 1; Red Knot, 2; Red-backed Sandpiper, 2; Dowitcher, 25; Western Sandpiper, 15; Marbled Godwit, 7; Sanderling, 3; Herring Gull, 20; Ring-billed Gull, 5; Laughing Gull, 2; Bonaparte's Gull, 12; Forster's Tern, 4; Common Tern, 2; Black Skimmer, 1; alcid (believed to be Razor-billed Auk), 1 (watched at 100 yds. with glasses, but rough water prevented best views—P.M., E.B.C., *et al.*); Mourning Dove, 12; Horned Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 12; Pileated Woodpecker, 2; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 6;

Eastern Phoebe, 11; Tree Swallow, 2; Blue Jay, 6; Am. Crow, 2; Fish Crow, 30; Carolina Chickadee, 15; Tufted Titmouse, 5; Brown-headed Nuthatch, 5; Brown Creeper, 7; House Wren, 6; Winter Wren, 4; Carolina Wren, 15; Short-billed Marsh Wren, 3; Mockingbird, 2; Brown Thrasher, 5; Am. Robin, 125; Hermit Thrush, 6; Eastern Bluebird, 6; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 35; Water Pipit, 2; Cedar Waxwing, 15; Loggerhead Shrike, 5; Common Starling, 6; White-eyed Vireo, 1; Solitary Vireo, 1; Orange-crowned Warbler, 3; Myrtle Warbler, 210; Yellow-throated Warbler, 1; Pine Warbler, 7; Palm Warbler, 2; Yellowthroat, 5; House Sparrow, 2; Eastern Meadowlark, 35; Red-winged Blackbird, 205; Rusty Blackbird, 200; Boat-tailed Grackle, 10; Purple Grackle, 1; Cardinal, 25; Purple Finch, 8; Am. Goldfinch, 3; Eastern Towhee, 13 (Red-eyed, 11; White-eyed, 2); Savannah Sparrow, 15; Sharp-tailed Sparrow, 3; Seaside Sparrow, 1; Vesper Sparrow, 25; Slate-colored Junco, 20; Chipping Sparrow, 65; Field Sparrow, 25; White-throated Sparrow, 80; Fox Sparrow, 8; Swamp Sparrow, 65; Song Sparrow, 80. **Total,** 137 species (1 additional subspecies); 6229 individuals. As usual, Cape Romain Refuge personnel aided greatly.—Robert Barnett, T. A. Beckett, E. B. Chamberlain (compiler), E. B. Chamberlain, Jr., Norman A. Chamberlain, Ernest Cutts, John H. Dick, Anna Hallock, Julian Harrison, Richard Hutson, Peter Manigault, Mr. and Mrs. Ted Metcalf, James E. Mosimann, Louis Parker, Jr., Charle Parrott, John Quinby, William Rose, George Rabb, Grace A. Smyth, II, Newton Seebeck, Mr. and Mrs. Alex Sprunt, Alex Sprunt, IV, Paul Sturm, Thomas Uzzell, Jr., R. Vansandt (Charleston Natural History Society).

167. Columbia, S. C. (center of Columbia, Richland County to Columbia Pipe Company 5 miles north of Columbia, Ardincaple, Earlewood Park and to West Columbia, Horseshoe Lake, Hendrix's Pond and farms in Lexington County to 7 miles west; urban 7%, pine woods 20%, deciduous woods and swamps 25%, cultivated fields 30%, broom field 8%, pasture land 5%, lake shore 5%).—Dec. 27; 7 a.m. to 5:10 p.m. Cloudy; temp. 33° to 38°; wind NE, 0-15 m.p.h. Six observers in 3 parties. Total party-hours, 47 (28 on foot, 19 by car); total party-miles, 57 (27 on foot, 30 by car). Pied-billed Grebe, 9; Ring-necked Duck, 4; Turkey Vulture, 2; Black Vulture, 35; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Am. Coot, 35; Killdeer, 2; Yellow-shafted Flicker, 9; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 4; Eastern Phoebe, 7; Blue Jay, 46; Am. Crow, 21; Black-capped Chickadee, 5; Tufted Titmouse, 4; Brown-headed Nuthatch, 5; Brown Creeper, 3; House Wren, 1; Winter Wren, 5; Carolina Wren, 7; Mockingbird, 13; Brown Thrasher, 13; Am. Robin, 222; Hermit Thrush, 10; Eastern Bluebird, 53; Golden-crowned Kinglet, 39; Ruby-crowned Kinglet, 21; Cedar Waxwing, 139; Loggerhead Shrike, 9; Common Starling, 94; Myrtle Warbler, 2; Pine Warbler, 80; Common Yellowthroat, 1; House Sparrow, 56; Eastern Meadowlark, 32; Red-winged Blackbird, 19; Rusty Blackbird, 17; Brown-headed Cowbird, 36; Cardinal, 107; Purple Finch, 8; Eastern Towhee, 29; Slate-colored Junco, 395; Chipping Sparrow, 151; Field Sparrow, 219 (one albino); White-throated Sparrow, 317; Fox Sparrow, 4; Song Sparrow, 44. **Total,** 49 species; 2342 individuals.—Mrs. P. B. Hendrix, Mrs. B. S. Meeks, Kay Sisson, Annie W. Bristow, James Henry Fowles III, Gilbert J. Bristow (Columbia Bird Club).

168. Eastover, S. C. (Tom's creek on Highway 764 to Wateree, down Highway 263 to Eastover, across Community Pond, down Highway 601 (26); cultivated fields 33%, broom fields and grass-covered pasture 33%, deciduous and pine woods 14%, residential grounds 10%, swampy areas around spring and ponds 10%).—Jan. 1; daylight to 5:30 p.m. Cloudy to clearing about 2 p.m.; temp. 32° to 55°; wind NE, 5 m.p.h.. Four observers in 1 party. Total party-hours, 7 (1 on foot, 6 by car); total party-miles, 25 (½ on foot, 24½ by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Black Vulture, 10; Red-shouldered Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 9; Killdeer, 8; Wilson's Snipe, 4; Mourning Dove, 12; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 2; Eastern Phoebe, 2; Horned Lark, 19; Blue Jay, 13; Am. Crow, 4; Carolina Chickadee, 2; Tufted Titmouse, 2; White-breasted Nuthatch, 1; Carolina Wren, 3; Mockingbird, 11; Brown Thrasher, 3; Am. Robin, 27; Hermit Thrush, 6; Eastern Bluebird, 44; Ruby-crowned Kinglet, 3; Water Pipit, 75 (est.); Cedar Waxwing, 18; Loggerhead Shrike, 11; Common Starling, 52; Myrtle Warbler, 2; Pine Warbler, 47; Palm Warbler, 1 (dead); House Sparrow, 100 (est.); Eastern Meadowlark, 39; Rusty Blackbird, 2; Brown-headed Cowbird, 200 (est); Cardinal, 25; Am. Goldfinch, 24; Eastern Towhee, 22; Savannah Sparrow, 14; Vesper Sparrow, 3; Slate-colored Junco, 38; Chipping Sparrow, 75 (est.); Field Sparrow, 2; White-throated Sparrow, 95; Song Sparrow, 16. **Total,** 50 species; 1070 individuals. (Seen in area Dec. 28: Purple Finch, 1; Dec. 30: Brown Creeper, 1.)—Mrs. Clyde Sisson, Mrs. Ben Meeks, Mrs. Rhett Clark, Mrs. William H. Faver (compiler) (Columbia Bird Club).

169. Spartanburg, S. C. (5½-mile radius centered on N. Fairview Ave., and including Zimmerman Lake area, Duncan Lake, Ezell Wood, Pierce fish pond, Silver Lake area; farmlands 15%, town suburbs 20%, mixed woodlands 20%, fresh-water ponds, lakes and marshes 45%).—Dec. 24; 7 a.m. to 5:30 p.m. Clear; temp. 38° to 60°; wind SW, 2-25 m.p.h. Ten observers in 4 parties. Total party-hours, 10 (16 on foot, 3 by car); total party-miles, 30 (8 on foot, 22 by car). Pied-billed Grebe, 4; Mallard, 7; Am. Widgeon, 2; Shoveller,

4; Ring-necked Duck, 6; Greater Scaup, 8; Bufflehead, 2; Ruddy Duck, 10; Hooded Merganser, 10; Turkey Vulture, 10; Black Vulture, 24; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 3; Bobwhite, 14; Killdeer, 93; Wilson's Snipe, 2; Mourning Dove, 57; Barn Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 6; Eastern Phoebe, 3; Horned Lark, 5; Blue Jay, 33; Am. Crow, 295; Carolina Chickadee, 33; Tufted Titmouse, 35; Brown-headed Nuthatch, 7; Brown Creeper, 2; Carolina Wren, 30; Mockingbird, 10; Brown Thrasher, 2; Am. Robin, 17; Hermit Thrush, 4; Eastern Bluebird, 92; Golden-crowned Kinglet, 31; Ruby-crowned Kinglet, 25; Water Pipit, 1; Cedar Waxwing, 22; Loggerhead Shrike, 10; Common Starling, 23; Myrtle Warbler, 6; Pine Warbler, 27; House Sparrow, 113; Eastern Meadowlark, 270; Rusty Blackbird, 25; Purple Grackle, 7; Cardinal, 75; Purple Finch, 13; Pine Siskin, 3; Am. Goldfinch, 140; Eastern Towhee, 47; Savannah Sparrow, 2; Slate-colored Junco, 97; Field Sparrow, 89; White-throated Sparrow, 87; Fox Sparrow, 10; Swamp Sparrow, 3; Song Sparrow, 56.**Total,** 65 species; 2040 individuals. (Due to high winds, practically no birds were seen after noon.)—Gabriel Cannon, Louisa B. Carlisle, Harold C. Correll, Ruth Crick, Flora Beymer, Margaret Hammond, Tucker McCravy, R. E. Rupp, Dr. and Mrs. J. O. Watkins.

170. Atlanta, Ga. (7½ radius centered near Piedmont Park and including South River area, Eastlake, Emory University campus, Candler estate, Decatur waterworks, Lake Phoebe, Chattahoochee River; pasture 5%, plowed or abandoned fields 40%, parks 20%, residential 5%, mixed woods 20%, pond and stream 10%).—Dec. 23; 7 a.m. to 5:30 p.m. Clear; temp. 25° to 60°; no wind. Eighteen observers in 8 parties. Total party-hours, 46 (29 on foot, 17 by car); total party-miles, 140 (30 on foot, 110 by car). Pied-billed Grebe, 3; Great Blue Heron, 1; Ring-necked Duck, 1; Turkey Vulture, 17; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Sparrow Hawk, 4; Bob-white, 6; Am. Coot, 6; Killdeer, 51; Wilson's Snipe, 1; Mourning Dove, 51; Belted Kingfisher, 5; Yellow-shafted Flicker, 26; Pileated Woodpecker, 2; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 15; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 21; Eastern Phoebe, 10; Blue Jay, 157; Am. Crow, 44; Carolina Chickadee, 107; Tufted Titmouse, 58; White-breasted Nuthatch, 22; Brown-headed Nuthatch, 10; Brown Creeper, 4; Winter Wren, 7; Carolina Wren, 71; Mockingbird, 62; Brown Thrasher, 19; Am. Robin, 10; Hermit Thrush, 8; Eastern Bluebird, 96; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 10; Water Pipit, 7; Cedar Waxwing, 4; Loggerhead Shrike, 2; Common Starling, 600 (±100); Myrtle Warbler, 7; Pine Warbler, 8; Palm Warbler, 1; House Sparrow, 37; Eastern Meadowlark, 57; Red-winged Blackbird, 11; Purple Grackle, 8200 (8000±1000, 200); Cardinal, 114; Purple Finch, 8; Pine Siskin, 3; Am. Goldfinch, 140; Eastern Towhee, 130; Savannah Sparrow, 25; Vesper Sparrow, 1; Slate-colored Junco, 156; Chipping Sparrow, 33; Field Sparrow, 111; White-throated Sparrow, 361; Fox Sparrow, 5; Swamp Sparrow, 19; Song Sparrow, 151. **Total,** 62 species; about 11,134 individuals. —Glenn Bell, R. B. Belser, Mrs. J. E. Boyd, Mrs. T. J. Cook, Harry Greene, Hal Herreman (compiler), Lillian Herreman, Hugh Moore, Mrs. J. C. Oliver, Richard A. Parks, W. A. Peacock, Jr., W. A. Peacock, Sr., Harold S. Peters, Mrs. Harold S. Peters, Sammy Pope, Ralph L. Ramsey, Mrs. J. M. Smith, Ray Werner (Atlanta Bird Club).

171. Cartersville, Ga. (Allatoona Reservoir, Allatoona Creek portion; Lake Aubrey; Cartersville; Allatoona, Ga.; and areas between; pond and stream 25%, cultivated and abandoned fields 30%, mixed woods 35%, residential 10%).—Dec. 30; 7:40 a.m. to 5 p.m. Overcast, heavy fog in a.m.; temp. 40°; wind NE, 2-4 m.p.h. Six observers in 1 party. Total party-hours, 9 (7½ on foot, 1½ by car); total party-miles, 45 (5 on foot, 40 by car). Great Blue Heron, 1; Redhead, 5; Ring-necked Duck, 2; Canvas-back, 1; Lesser Scaup, 1; Am. Golden-eye, 3; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 2; Killdeer, 9; Wilson's Snipe, 1; Ring-billed Gull, 1; Mourning Dove, 15; Belted Kingfisher, 2; Pileated Woodpecker, 1; Downy Woodpecker, 1; Eastern Phoebe, 2; Horned Lark, 80 (est.); Blue Jay, 10; Am. Crow, 31; Carolina Chickadee, 11; Tufted Titmouse, 6; Brown Creeper, 4; Winter Wren, 2; Carolina Wren, 17; Mockingbird, 11; Brown Thrasher, 1; Am. Robin, 4; Hermit Thrush, 4; Eastern Bluebird, 28; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 4; Water Pipit, 4; Cedar Waxwing, 6; Loggerhead Shrike, 4; Common Starling, 250 (est.); Pine Warbler, 2; House Sparrow, 26; Eastern Meadowlark, 121 (est.); Purple Grackle, 300 (est.); Cardinal, 25; Am. Goldfinch, 16; Eastern Towhee, 12; Savannah Sparrow, 160; Slate-colored Junco, 87; Chipping Sparrow, 35; Field Sparrow, 175 (est.); White-throated Sparrow, 30; Fox Sparrow, 2; Swamp Sparrow, 50; Song Sparrow, 65. **Total,** 51 species; about 1634 individuals. —William W. Griffin, H. M. Herreman, Richard A. Parks, Harold S. Peters, Ralph L. Ramsey (compiler), George W. Sciple.

172. Columbus, Ga. (from Bradley Memorial Library north in city; park bordering Werecoba Creek as far as the Country Club, thence east along Macon Road to Park Hill Cemetery, investigating shrubbery along streams and ponds to point 6 miles east of Columbus; city park and yards 30%, stream and pond banks 30%, pine woods 10%, abandoned fields 20%, cemetery 10%).—Dec. 26; 7 a.m. to 5 p.m. Cloudy in a.m., showers in p.m.; temp. 36° to 60°; wind WSW, 5 to 10 m.p.h. Five observers in 2 parties. Total party-

hours, 10; total party-miles, 17 (7 on foot, 10 by car). Turkey Vulture, 1; Black Vulture, 3; Bob-white, 5; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 14; Am. Crow, 10; Carolina Chickadee, 2: Tufted Titmouse, 1; Mockingbird, 11; Brown Thrasher, 1; Eastern Bluebird, 27; Ruby-crowned Kinglet, 3; Cedar Waxwing, 19; Loggerhead Shrike, 10; Common Starling, 29; Myrtle Warbler, 3; Pine Warbler, 1; House Sparrow, 36; Eastern Meadowlark, 22; Red-winged Blackbird, 3; Rusty Blackbird, 75; Brown-headed Cowbird, 2; Cardinal, 23; Am. Goldfinch, 8; Eastern Towhee, 40; Chipping Sparrow, 5; Field Sparrow, 15; White-throated Sparrow, 12; Fox Sparrow, 1; Song Sparrow, 1. **Total,** 32 species; 393 individuals. (Seen in area during week: Red-shouldered Hawk, 1; Sparrow Hawk, 2; Golden-crowned Kinglet, 5.)—Rev. and Mrs. W. B. Clemmons, Anne, Martha and Bill Clemmons, Jr.

173. Macon, Ga. (circle 15 miles in diameter, from Macon to Warner Robins, including Reis' Pond and vicinity, Ocmulgee Nat'l. Monument, Meadowland Dairy, Airport; ponds and margins 20%, grassy fields 30%, open pasture 20%, deciduous woodland 25%, plowed land 5%).—Dec. 31; 7 a.m. to 6 p.m. Clear; temp. 35° to 60°; wind ENE to W, 5-15 m.p.h. Seven observers in 3 parties. Total party-hours, 15 (12 on foot, 3 by car); total party-miles, 80 (20 on foot, 60 by car). Pied-billed Grebe, 2; Great Blue Heron, 4; Black Duck, 3; Turkey Vulture, 7; Black Vulture, 3; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 7; Killdeer, 27; Mourning Dove, 3; Ground Dove, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 53; Red-bellied Woodpecker, 15; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 8; Eastern Phoebe, 4; Horned Lark, 6; Blue Jay, 20; Am. Crow, 3; Carolina Chickadee, 22; Tufted Titmouse, 13; Brown-headed Nuthatch, 5; Brown Creeper, 2; House Wren, 1; Bewick's Wren, 1; Carolina Wren, 26; Mockingbird, 25; Brown Thrasher, 7; Am. Robin, 31; Hermit Thrush, 6; Eastern Bluebird, 56; Ruby-crowned Kinglet, 14; Water Pipit, 317; Cedar Waxwing, 32; Loggerhead Shrike, 5; Common Starling, 20; Black and White Warbler, 1; Orange-crowned Warbler, 2; Myrtle Warbler, 31; Pine Warbler, 25; Palm Warbler, 4 (Western 2, Yellow 2); Common Yellowthroat, 2; House Sparrow, 38; Eastern Meadowlark, 74; Red-winged Blackbird, 14; unidentified blackbirds, 2000 (est.); Cardinal, 67; Am. Goldfinch, 32; Eastern Towhee, 22; Savannah Sparrow, 10; Henslow's Sparrow, 3; Slate-colored Junco, 52; Chipping Sparrow, 6; Field Sparrow, 15; White-throated Sparrow, 115; Fox Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 47. **Total,** 62 species (1 additional subspecies); about 3330 individuals. (Seen in area Dec. 24: Mallard, 3; Mourning Dove, 305; Horned Lark, 140; Golden-crowned Kinglet, 1; Solitary Vireo, 1; mixed flocks of Red-wings, Starlings, and Rusty Blackbirds, about 3000 individuals; Purple Grackle, 4.) —T. J. Cater, Mrs. T. J. Cater, Charles Deaton, Edmund Farrar, Sr., Edmund Farrar, Jr., L. H. Mounts, G. G. Rohwer.

174. St. Simon and Sea Islands, Ga. (southern part of St. Simon Island and Sea Island).—Dec. 29; 7:15 a.m. to 5:30 p.m. Fog all day; temp. 40° to 44°; no wind. Five observers in 1 party. Total party-hours, 8¾ (6¾ on foot, 2 by car); total party-miles, 29 (4 on foot, 25 by car). Brown Pelican, 8; Am. Egret, 1; Lesser Scaup, 2; Sparrow Hawk, 1; Am. Coot, 13; Killdeer, 13; Ruddy Turnstone, 16; Long-billed Curlew, 1; Sanderling, 19; Herring Gull, 57; Ring-billed Gull, 108; Bonaparte's Gull, 3; Common Tern, 8; Caspian Tern, 1; Black Skimmer, 221; Ground Dove, 6; Horned Owl, 1; Belted Kingfisher, 2; Red-bellied Woodpecker, 23; Yellow-bellied Sapsucker, 2; Eastern Phoebe, 4; Tree Swallow, 30; Blue Jay, 11; Am. Crow, 5; Carolina Chickadee, 2; Tufted Titmouse, 7; Carolina Wren, 7; Mockingbird, 40; Catbird, 2; Brown Thrasher, 1; Am. Robin, 26; Hermit Thrush, 1; Ruby-crowned Kinglet, 1; Cedar Waxwing, 12; Loggerhead Shrike, 1; Common Starling, 12; Myrtle Warbler, 300; Palm Warbler, 2; House Sparrow, 13; Eastern Meadowlark, 26; Red-winged Blackbird, 150; Boat-tailed Grackle, 70; Purple Grackle, 20; Cardinal, 18; Am. Goldfinch, 12; Eastern Towhee, 27; Vesper Sparrow, 12; White-throated Sparrow, 22; Fox Sparrow, 1; Swamp Sparrow, 6; Song Sparrow, 12. **Total,** 51 species; 1359 individuals. (Seen on the islands during census week: Double-crested Cormorant, Great Blue Heron, Snowy Egret, Louisiana Heran, Little Blue Heron, Ring-necked Duck, Turkey Vulture, Bald Eagle, Piping Plover, Ringed Plover, White-rumped Sandpiper, Red-backed Sandpiper, Semipalmated Sandpiper, Forster's Tern, Royal Tern, Yellow-shafted Flicker, Fish Crow, Water Pipit, Solitary Vireo, Black and White Warbler, Orange-crowned Warbler, Yellow-throated Warbler, Common Yellowthroat, Purple Finch, Field Sparrow.)—Minnie B. Scotland, Beatrice Sullivan, Edna Class, Nelle G. Van Vorst, Margaret D. Cate.

175. Sherwood and Birdsong Plantations (Grady Co.), Ga. (within 1500 acres; open fields and pastures 50%, pinelands and mixed hardwoods 30%, gum swamp and three ponds ranging in size from 1 to 5 acres 20%).—Dec. 25; 6:15 a.m. to 6:30 p.m. Clear; temp. 38° to 50°; wind variable, 0-5 m.p.h.; conditions very dry, ponds and creeks low. One observer. Total hours, 12 (11 on foot, 1 by car); total miles, 25 (15 on foot, 10 by car). Great Blue Heron, 2; Am. Egret, 1; Am. Widgeon, 48; Wood Duck, 22; Ring-necked Duck, 56; Turkey Vulture, 6; Black Vulture, 14; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 2; Bob-white, 56 (3 coveys); Turkey, 70; Killdeer, 31; Wilson's Snipe, 4; Mourning Dove, 210;

Screech Owl, 3 (answered call); Horned Owl, 5 (heard); Barred Owl, 2 (heard); Belted Kingfisher, 2; Yellow-shafted Flicker, 25; Pileated Woodpecker, 7; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 18; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 1; Downy Woodpecker, 3; Eastern Phoebe, 3; Blue Jay, 28; Am. Crow, 25; Carolina Chickadee, 6; Tufted Titmouse, 13; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 3; Brown Creeper, 1; House Wren, 6; Carolina Wren, 7; Mockingbird, 11; Brown Thrasher, 16; Am. Robin, 563 (est.); Hermit Thrush, 26; Eastern Bluebird, 215; Ruby-crowned Kinglet, 38; Loggerhead Shrike, 3; Common Starling, 55; White-eyed Vireo, 1 (spec.); Orange-crowned Warbler, 1; Myrtle Warbler, 32; Yellow-throated Warbler, 3; Pine Warbler, 35; Palm Warbler, 15; Common Yellowthroat, 8; Eastern Meadowlark, 125; Red-winged Blackbird, 32; Rusty Blackbird, 9; Purple Grackle, 4; Cardinal, 93; Purple Finch, 15; Am. Goldfinch, 21; Eastern Towhee, 57; Savannah Sparrow, 2; Vesper Sparrow, 44; Slate-colored Junco, 20; Chipping Sparrow, 34; Field Sparrow, 5; White-throated Sparrow, 68; Fox Sparrow, 3; Swamp Sparrow, 6; Song Sparrow, 6. **Total,** 70 species; about 2279 individuals. (Seen in area Dec. 24: Sharp-shinned Hawk, 1; Cedar Waxwing, 8; Red-cockaded Woodpecker, 4.)—Herbert L. Stoddard, Sr.

176. Cedar Key, Fla. (coast to 4 miles northeast of Sumner; pine flatwoods 20%, sand pine scrub 5%, hammock [bordering salt marsh] 10%, hammock [inland] 20%, salt marsh and mud flats 45%).—Dec. 26; 7:15 a.m. to 5:30 p.m. Clear; temp. 40° to 70°; wind NE, 5-10 m.p.h. Two observers in 1 party. Total party-hours, 10 (8½ on foot, 1½ by car); total party-miles, 40 (4 on foot, 36 by car). Common Loon, 6; Brown Pelican, 4; Double-crested Cormorant, 20: Great Blue Heron, 25; Am. Egret, 11; Snowy Egret, 5; Louisiana Heron, 4; Little Blue Heron, 8; Green Heron, 1; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 5; Am. Bittern, 1; Wood Ibis, 1; White Ibis, 5; Wood Duck, 2; Greater Scaup, 2; Lesser Scaup, 140 (est.); Red-breasted Merganser, 25; Turkey Vulture, 14; Black Vulture, 2; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 7; Clapper Rail, 1; Florida Gallinule, 1; Killdeer, 26; Black-bellied Plover, 15; Spotted Sandpiper, 1; Willet, 27; Greater Yellow-legs, 3; Least Sandpiper, 200 (est.); Red-backed Sandpiper, 16; Herring Gull, 60 (est.); Ring-billed Gull, 90 (est.); Laughing Gull, 1; Common Tern, 25; Royal Tern, 1; Black Skimmer, 10; Mourning Dove, 2; Ground Dove, 13; Barred Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 8; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Red-cockaded Woodpecker, 2; Eastern Phoebe, 13; Tree Swallow, 15; Blue Jay, 17; Am. Crow, 9; Fish Crow, 2; Carolina Chickadee, 2; Brown-headed Nuthatch, 5; House Wren, 7; Carolina Wren, 6; Short-billed Marsh Wren, 1; Mockingbird, 28; Catbird, 8; Brown Thrasher, 5; Am. Robin, 250 (est.); Hermit Thrush, 1; Eastern Bluebird, 7; Blue-gray Gnatcatcher, 5; Ruby-crowned Kinglet, 4; Loggerhead Shrike, 7; White-eyed Vireo, 1; Solitary Vireo, 1; Black and White Warbler, 1; Orange-crowned Warbler, 1; Myrtle Warbler, 80 (est.); Yellow-throated Warbler, 1; Pine Warbler, 36; Palm Warbler, 30 (est.); Common Yellowthroat, 18; House Sparrow, 25; Eastern Meadowlark, 9; Red-winged Blackbird, 34; Boat-tailed Grackle, 1; Cardinal, 8; Am. Goldfinch, 12; Eastern Towhee, 78; Grasshopper Sparrow, 3; Sharp-tailed Sparrow, 3; Seaside Sparrow, 2; Field Sparrow, 5; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 5. **Total,** 91 species; about 1556 individuals.—John Dennis, Steve Fickett (compiler).

177. Coot Bay-Flamingo (Monroe Co.), Fla. (7½-mile radius centering on intersection of Bear Lake and Flamingo Roads, including West Lake, Whitewater Bay, and salt marsh from Flamingo to Durdin Ditch; mangrove 40%, hammock 10%, salt marsh 30%, lakes and bays 20%).—Dec. 23; 7 a.m. to 6 p.m. Clear; temp. 62° to 75°; wind NE to NW, 6-19 m.p.h. Twenty-four observers in 8 parties. Total party-hours, 70 (58 on foot, 4 by car, 8 by boat); total party-miles, 67 (40 on foot, 5 by car, 22 by boat). Pied-billed Grebe, 33; White Pelican, 632 (600 est., 32); Brown Pelican, 109; Double-crested Cormorant, 82; Water-turkey, 56; Great White Heron, 7; Great Blue Heron, 77; Am. Egret, 200; Snowy Egret, 259; Reddish Egret, 27; Louisiana Heron, 259; Little Blue Heron, 228; Green Heron, 48; Black-crowned Night Heron, 51; Yellow-crowned Night Heron, 30; Wood Ibis, 286; White Ibis, 375; Roseate Spoonbill, 38 (L.A.S., W.G.A.); Am. Widgeon, 200; Pintail, 54; Green-winged Teal, 45; Blue-winged Teal, 391; Shoveller, 15; Ring-necked Duck, 2; Canvas-back, 3; Lesser Scaup, 10,500 (est.); Ruddy Duck, 75; Red-breasted Merganser, 1; Turkey Vulture, 230; Black Vulture, 129; Sharp-shinned Hawk, 7; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 24; Short-tailed Hawk, 6; Bald Eagle, 14; Marsh Hawk, 34; Osprey, 39; Peregrine Falcon, 2; Sparrow Hawk, 34; Limpkin, 2; Florida Gallinulle, 5; Am. Coot, 41,325 (41,300 est., 25); Ringed Plover, 1; Wilson's Plover, 5; Killdeer, 259; Black-bellied Plover, 350; Wilson's Snipe, 1; Spotted Sandpiper, 2; Willet, 212; Greater Yellow-legs, 165; Lesser Yellow-legs, 463; Least Sandpiper, 51,000 (est.); Red-backed Sandpiper, 310; Dowitcher, 109; Semi-palmated Sandpiper, 52,000 (est.); Western Sandpiper, 1300 (est.); Herring Gull, 13; Ring-billed Gull, 16; Laughing Gull, 26; Forster's Tern, 202; Common Tern, 2 (J.A.); Royal Tern, 320 (300 est., 20); Caspian Tern, 26; Black Skimmer, 1508 (1500 est., 8); Mourning Dove, 4; Ground Dove, 59; Barn Owl, 1; Barred Owl, 2; Short-eared Owl, 2 (H.P.B., J.S.); Chuck-will's-widow, 1; Belted Kingfisher, 84; Yellow-shafted Flicker, 10; Pileated Woodpecker, 1; Red-bellied Woodpecker,

19; Yellow-bellied Sapsucker, 1; Crested Flycatcher, 21; Eastern Phoebe, 24; Tree Swallow, 134; Blue Jay, 2; Am. Crow, 82; House Wren, 13; Long-billed Marsh Wren, 1; Mockingbird, 26; Catbird, 66; Brown Thrasher, 1; Am. Robin, 1; Blue-gray Gnatcatcher, 126; Ruby-crowned Kinglet, 1; Cedar Waxwing, 2; Loggerhead Shrike, 4; White-eyed Vireo, 15; Yellow-throated Vireo, 2 (F.O'B.); Solitary Vireo, 7; Black and White Warbler, 7; Orange-crowned Warbler, 10; Parula Warbler, 9; Yellow Warbler, 1 (D.S.); Myrtle Warbler, 179; Prairie Warbler, 13; Palm Warbler, 148; Oven-bird, 1; Northern Water-thrush, 5; Kentucky Warbler, 1 (L.A.S.); Common Yellowthroat, 141; Eastern Meadowlark, 101; Red-winged Blackbird, 231; Boat-tailed Grackle, 38; Purple Grackle, 14; Cardinal, 20; Painted Bunting, 6; Am. Goldfinch, 93; Savannah Sparrow, 226 (200 est., 26); Sharp-tailed Sparrow, 22; White-throated Sparrow, 1; Swamp Sparrow, 19; Song Sparrow, 10. **Total,** 117 species; about 166,245 individuals.—J. Abramson, W. G. Atwater, H. P. Bennett, I. H. Black, C. M. Brookfield, Mrs. F. G. Cox, J. Dunwody, D. Fisher, J. B. Fleugal, D. Gorham, H. Gorham, B. Kincaid, Sr., B. Kincaid, Jr., Mrs. F. E. O'Brien, Mrs. R. T. Ruettger, Mrs. C. Schwartz, L. Sheffield, L. A. Stimson, D. W. Swetland, Mr. and Mrs. A. I. Taft, Mr. and Mrs. T. H. Tyson, G. P. Urling.

178. Daytona Beach, Fla. (7½-mile radius centering in Port Orange, and extending from the Atlantic Ocean to one mile west of the fire tower on the Old Deland Road, and from Golf Boulevard in Ortona and Eleventh Street in Holly Hill southward to Ponce de Leon Inlet and Spruce Creek; pinelands 15%, lagoons and ponds 18%, scrub 19%, fields 7%, town streets 4%, palmetto-deciduous 25%, beach 12%).—Dec. 28; 6:30 a.m. to 6 p.m. Very heavy fog throughout entire day; temp. 54° to 56°; wind N, brisk to moderate. Eighteen observers in 4 parties. Total party-hours, 40½ (13 on foot, 27½ by car); total party-miles, 191 (21 by foot, 170 by car). Common Loon, 2; Horned Grebe, 6; Pied-billed Grebe, 2; Brown Pelican, 302; Gannet, 1; Double-crested Cormorant, 722; Great Blue Heron, 17; Am. Egret, 35; Snowy Egret, 975; Louisiana Heron, 486; Little Blue Heron, 193, Green Heron, 2; Black-crowned Night Heron, 1; Lesser Scaup, 528; Red-breasted Merganser, 19; Turkey Vulture, 9; Cooper's Hawk, 1; Red-shouldered Hawk, 4; Marsh Hawk, 1; Osprey, 2; Sparrow Hawk, 19; Florida Gallinule, 2; Am. Coot, 67; Ringed Plover, 2; Killdeer, 124; Black-bellied Plover, 37; Ruddy Turnstone, 502; Willet, 7; Red-backed Sandpiper, 10; Dowitcher, 6; Sanderling, 324; Herring Gull, 1023; Ring-billed Gull, 2939; Laughing Gull, 81; Bonaparte's Gull, 52; Forster's Tern, 28; Royal Tern, 110; Caspian Tern, 5; Black Skimmer, 834; Dovekie, 1 (found injured by R.R. near where she had found a dead one the previous week; died 2 hours later; specimen preserved by D.E.M.); Mourning Dove, 27; Ground Dove, 25; Belted Kingfisher, 25; Yellow-shafted Flicker, 26; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 6; Red-cockaded Woodpecker, 2; Eastern Phoebe, 34; Blue Jay, 42; Am. Crow, 4; Fish Crow, 640; Carolina Chickadee, 3; Tufted Titmouse, 1; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 4; House Wren, 19; Carolina Wren, 4; Mockingbird, 69; Catbird, 15; Brown Thrasher, 3; Am. Robin, 863; Hermit Thrush, 1; Eastern Bluebird, 30; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 19; Water Pipit, 1; Cedar Waxwing, 55; Loggerhead Shrike, 25; Myrtle Warbler, 155; Yellow-throated Warbler, 1; Pine Warbler, 2; Palm Warbler, 70; Common Yellowthroat, 12; House Sparrow, 20; Eastern Meadowlark, 44; Red-winged Blackbird, 76; Purple Grackle, 156; Brown-headed Cowbird, 40; Cardinal, 73; Am. Goldfinch, 60; Eastern Towhee, 14; Savannah Sparrow, 1; Chipping Sparrow, 59; White-throated Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, 2. **Total,** 89 species; 12,251 individuals. (Seen Dec. 31: 1 Baltimore Oriole.)—D. E. Miller (compiler), Eva Porter, Florence C. Little, Kenneth Hunter, F. B. Rich, F. S. James, Mrs. Granville, Mrs. F. B. Rich, Lucille Hotchford, Ruth Rogers, Mary McFall, Hubert C. Chambers, Margaret Rogers, William Craven, Robert Hunter, Mabel T. Rogers, Miss Manchester, Ida Warden (Halifax River Bird Club).

179. Everglades National Park, Fla. (7½-mile radius from Paradise Key of Dade Co.; pineland 20%, open glade 75%, hammock 5%).—Jan. 1; 8 a.m. to 4 p.m. Partly cloudy; temp. 44° to 75°; wind 8-25 m.p.h. Ten observers in 4 parties. Total party-hours, 32 (28 on foot, 4 by car); total party-miles, 68½ (17½ on foot, 51 by car). Pied-billed Grebe, 5; Double-crested Cormorant, 5; Water-turkey, 32; Man-o--war-bird, 1; Great White Heron, 2; Great Blue Heron, 19; Am. Egret, 23; Snowy Egret, 24; Louisiana Heron, 21; Little Blue Heron, 11; Green Heron, 20; Black-crowned Night Heron, 25; Am. Bittern, 3; Least Bittern, 1; Wood Ibis, 32; White Ibis, 497; Mottled Duck, 2; Turkey Vulture, 109; Black Vulture, 122; Cooper's Hawk, 1; Red-shouldered Hawk, 20; Marsh Hawk, 11; Osprey, 1; Sparrow Hawk, 8; Bob-white, 15; Limpkin, 2; King Rail, 2; Sora, 15; Purple Gallinule, 5; Florida Gallinule, 19; Am. Coot, 40; Killdeer, 66; Wilson's Snipe, 1; Mourning Dove, 2; Ground Dove, 2; Barred Owl, 2; Belted Kingfisher, 28; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 10; Downy Woodpecker, 1; Crested Flycatcher, 7; Eastern Phoebe, 7; Tree Swallow, 38; Blue Jay, 6; Am. Crow, 23; House Wren, 24; Carolina Wren, 3; Mockingbird, 16; Catbird, 24; Brown Thrasher, 1; Am. Robin, 202; Blue-gray Gnatcatcher, 50; Ruby-crowned Kinglet, 8; Cedar Waxwing, 8; Loggerhead Shrike, 8; White-eyed Vireo, 8; Solitary Vireo, 4; Orange-crowned Warbler, 3; Myrtle Warbler, 60; Yellow-throated Warbler, 2; Pine Warbler, 25; Prairie Warbler, 3; Palm Warbler, 63; Oven-bird, 2; Common Yellow-

throat, 63; Eastern Meadowlark, 13; Red-winged Blackbird, 131; Boat-tailed Grackle, 7; Purple Grackle, 5; Cardinal, 25; Painted Bunting, 11; Am. Goldfinch, 22; Eastern Towhee, 11; Swamp Sparrow, 14. **Total,** 75 species; 2109 individuals.—Lawrence B. Sheffield, Jr. (compiler), Mr. and Mrs. Arthur Taft, Louis Stimson, Mrs. Frank G. Cox, William Atwater, Mrs. Charles Schwartz, Amy Chambers, Ruby Rutgers, Mr. Sime.

180. Grandin and Florahome, Fla. (3 miles east and 2 miles west of Florahome and 5 miles south of Grandin; peat bogs [peat dug here commercially] 25%, pine flatwoods 15%, open fields [fields with tall weed growth and pastures] 15%, mesic hammock 15%, small lakes and ponds with marshy edges 15%, xeric hammock [ive oak association] 10%, turkey oak association 5%).—Dec. 31; 8:25 a.m. to 5:30 p.m. Clear; temp. 45° to 55°; wind W, 5-20 m.p.h.; heavy rainfall preceding 30 hours, water high in ponds. One observer. Total hours, 9 (8 on foot, 1 by car); total miles, 23½ (8 on foot, 15½ by car). Pied-billed Grebe, 2; Water-turkey, 1; Great Blue Heron, 7; Am. Egret, 5; Louisiana Heron, 1; Little Blue Heron, 2; Wood Duck, 17; Ring-necked Duck, 2; Hooded Merganser, 18; Turkey Vulture, 10; Black Vulture, 21; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 1; Am. Coot, 35; Killdeer, 6; Mourning Dove, 2; Ground Dove, 25; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 9; Pileated Woodpecker, 1; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 1; Eastern Phoebe, 14; Tree Swallow, 12; Blue Jay, 3; Am. Crow, 3; Carolina Chickadee, 1; Tufted Titmouse, 9; Brown-headed Nuthatch, 3; House Wren, 8; Carolina Wren, 3; Mockingbird, 11; Brown Thrasher, 3; Am. Robin, 10; Hermit Thrush, 1; Eastern Bluebird, 25; Blue-gray Gnatcatcher, 7; Ruby-crowned Kinglet, 13; Water Pipit, 2; Loggerhead Shrike, 4; White-eyed Vireo, 2; Solitary Vireo, 1; Black and White Warbler, 3; Orange-crowned Warbler, 1; Myrtle Warbler, 90 (est.); Yellow-throated Warbler, 4; Pine Warbler, 7; Palm Warbler, 46; Common Yellowthroat, 3; Eastern Meadowlark, 6; Red-winged Blackbird, 1000 (est.); Boat-tailed Grackle, 1; Purple Grackle, 2; Cardinal, 6; Am. Goldfinch, 9; Eastern Towhee, 11; Savannah Sparrow, 37; Grasshopper Sparrow, 1; Vesper Sparrow, 25; White-throated Sparrow, 15; Song Sparrow, 8. **Total,** 68 species; 1609 individuals. (Seen in area on Dec. 24: Am. Bittern, Swamp Sparrow, Wilson's Snipe, 10.)—John V. Dennis.

181. Jacksonville, Fla. (north side of St. Johns River to Little Talbot Island; south side of river to Inland Waterway; beaches and Mayport from Inland Waterway; flatwoods 26%, hammocks 14%, sand scrub 13%, swamp 10%, salt marsh 18%, beaches 10%, suburbs 4%, farmland 2%, airport 3%).—Dec. 24; 6:10 a.m. to 5:50 p.m. Cold and clear; temp. 43° to 69°; wind W to E, 5-3 m.p.h.; frost. Six observers in 3 parties. Total party-hours, 31 (11 on foot, 20 by car); total party-miles, 170 (16 on foot, 154 by car). Horned Grebe, 2; Pied-billed Grebe, 9; Brown Pelican, 235; Gannet, 6; Double-crested Cormorant, 50; Water-turkey, 1; Great Blue Heron, 33; Am. Egret, 34; Snowy Egret, 10; Louisiana Heron, 16; Little Blue Heron, 22; Black-crowned Night Heron, 5; Wood Ibis, 5; Black Duck, 2; Green-winged Teal, 11; Blue-winged Teal, 3; Shoveller, 1; Wood Duck, 1; Ring-necked Duck, 4; Canvas-back, 1; Lesser Scaup, 450; Ruddy Duck, 150; Hooded Merganser, 2; Red-breasted Merganser, 11; Turkey Vulture, 20; Black Vulture, 54; Sharp-shinned Hawk, 4; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 5; Bald Eagle, 4; Marsh Hawk, 1; Sparrow Hawk, 25; King Rail, 2; Clapper Rail, 21; Sora, 1; Florida Gallinule, 25; Am. Coot, 21; Piping Plover, 7; Ringed Plover, 9; Killdeer, 50; Black-bellied Plover, 17; Ruddy Turnstone, 24; Wilson's Snipe, 5; Spotted Sandpiper, 1; Greater Yellow-legs, 4; Least Sandpiper, 15; Red-backed Sandpiper, 24; Dowitcher, 1; Semipalmated Sandpiper, 3; Western Sandpiper, 20; Sanderling, 60; Herring Gull, 165; Ring-billed Gull, 550; Laughing Gull, 80; Bonaparte's Gull, 3; Forster's Tern, 100; Royal Tern, 310; Caspian Tern, 4; Black Skimmer, 800; Mourning Dove, 5; Ground Dove, 11; Barred Owl, 1; Belted Kingfisher, 23; Yellow-shafted Flicker, 25; Pileated Woodpecker, 5; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 18; Eastern Phoebe, 35; Tree Swallow, 1300; Blue Jay, 22; Am. Crow, 10; Fish Crow, 150; Carolina Chickadee, 12; Tufted Titmouse, 38; Brown-headed Nuthatch, 12; House Wren, 33; Winter Wren, 1; Carolina Wren, 45; Mockingbird, 44; Catbird, 11; Brown Thrasher, 14; Am. Robin, 375; Hermit Thrush, 14; Eastern Bluebird, 45; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 38; Water Pipit, 50; Cedar Waxwing, 5; Loggerhead Shrike, 36; Common Starling, 10; White-eyed Vireo, 1; Solitary Vireo, 3; Black and White Warbler, 3; Orange-crowned Warbler, 6; Myrtle Warbler, 1000; Yellow-throated Warbler, 4; Pine Warbler, 15; Prairie Warbler, 1; Palm Warbler, 83; Common Yellowthroat, 14; House Sparrow, 8; Eastern Meadowlark, 18; Red-winged Blackbird, 50; Rusty Blackbird, 18; Brown-headed Cowbird, 200; Cardinal, 37; Am. Goldfinch, 200; Eastern Towhee, 65; Savannah Sparrow, 90; Vesper Sparrow, 50; Pine-woods Sparrow, 1; Chipping Sparrow, 55; Field Sparrow, 12; White-throated Sparrow, 215; Fox Sparrow, 12; Swamp Sparrow, 25; Song Sparrow, 20. **Total,** 121 species; about 8107 individuals.—R. R. McKay (compiler), S. A. Grimes, W. Y. Gary, J. Q. U. Thompson, H. I. Cone, Jr., E. Hopkins (Duval Audubon Society).

182. Key West, Fla. (same area as in previous counts; covered waterfront on both east and west sides of Key West including Naval Base and the

southern tip of Stock Island; waterfront 30%, beaches 5%, mangrove swamp and brackish ponds 40%, golf course and gardens 20%, open fields 5%).—Dec. 25; 8 a.m. to 6 p.m. Clear; temp. 64° to 75°; wind N, 7 m.p.h. Three observers in 1 party. Total party-hours, 18 (9 on foot, 4 by car, 5 on bicycle); total party-miles, 25½ (12 on foot, 10 by car, 3½ on bicycle). Pied-billed Grebe, 1; Brown Pelican, 20; Double-crested Cormorant, 13; Man-o'-war-bird, 4; Great White Heron, 2; Great Blue Heron (Ward's), 1; Am. Egret, 1; Yellow-crowned Night Heron, 1; Turkey Vulture, 16; Broad-winged Hawk, 1; Sparrow Hawk, 17; Am. Coot, 108; Ringed Plover, 5; Killdeer, 26; Black-bellied Plover, 1; Ruddy Turnstone, 6; Least Sandpiper, 15; Dowitcher, 2; Semipalmated Sandpiper, 3; Herring Gull, 186; Ring-billed Gull, 15; Laughing Gull, 368; Royal Tern, 17; Black Skimmer, 3; Mourning Dove, 11; White-winged Dove, 1; Ground Dove, 5; Ruby-throated Hummingbird, 4; Belted Kingfisher, 1; Red-bellied Woodpecker, 2; Western Kingbird, 2; House Wren, 2; Mockingbird, 6; Catbird, 12; Blue-gray Gnatcatcher, 2; Black and White Warbler, 2; Parula Warbler, 1; Myrtle Warbler, 68; Palm Warbler, 62 (Western); Northern Water-thrush, 1; Common Yellowthroat, 3; House Sparrow, 9; Cardinal, 1; Savannah Sparrow, 17. **Total,** 44 species; 1043 individuals.—Florence Baldwin, Glenn West, Frances Hames (compiler, Monroe County Audubon Society).

183. Miami, Fla. (7½-mile radius centering on Anastasia Ave. ¼ block west of Hernando St. in Coral Gables; city, parks, estates and golf courses 36%, bay shore, mud flats and ocean beach 13%, open grove and pineland 28%, everglades prairies, canals and ponds 22%, mangrove swamp and salt marsh 1%).—Dec. 26; 6:45 a.m. to 8:30 p.m. Clear; temp. 62° to 75°; wind W-S-SE, av. 9 m.p.h. Sixteen observers in 8 parties. Total party-hours, 67 (49½ on foot, 17½ by car); total party-miles, 285 (34½ on foot, 250½ by car). Pied-billed Grebe, 16; Brown Pelican, 217; Double-crested Cormorant, 448; Great Blue Heron (Ward's), 137; Am. Egret, 24; Snowy Egret, 31; Reddish Egret, 1 (L.A.S. who is familiar with species; two-toned bill plainly seen; color and size noted in comparison with other herons); Louisiana Heron, 8; Little Blue Heron, 21; Green Heron, 2; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 2; Wood Ibis, 3; Mallard, 16; Green-winged Teal, 1; Blue-winged Teal, 54; Shoveller, 40; Ring-necked Duck, 30; Lesser Scaup, 225; Red-breasted Merganser, 2; Turkey Vulture, 180; Black Vulture, 116; Sharp-shinned Hawk, 4; Cooper's Hawk, 2; Red-shouldered Hawk, 8; Bald Eagle, 2; Marsh Hawk, 16; Osprey, 9; Pigeon Hawk, 1; Sparrow Hawk, 49; Bob-white, 37; Florida Gallinule, 1; Am. Coot, 736 (600±50, 136); Piping Plover, 3; Ringed Plover, 10; Wilson's Plover, 2; Killdeer, 239; Black-bellied Plover, 138; Ruddy Turnstone, 153; Am. Woodcock, 1 (Dickie, Dee, Cox. Seen under favorable conditions); Spotted Sandpiper, 2; Least Sandpiper, 2; Red-backed Sandpiper, 20; Dowitcher, 30; Semipalmated Sandpiper, 30; Sanderling, 240; Herring Gull, 328; Ring-billed Gull, 413; Laughing Gull, 74; Royal Tern, 33; Caspian Tern, 1; Mourning Dove, 51; Ground Dove, 86; Barn Owl, 2; Burrowing Owl, 10; Whip-poor-will, 3; Ruby-throated Hummingbird, 14; Belted Kingfisher, 15; Yellow-shafted Flicker, 7; Pileated Woodpecker, 2; Red-bellied Woodpecker, 35; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 1; Crested Flycatcher, 6; Eastern Phoebe, 56; Eastern Wood Pewee, 3 (L.A.S.—2, E.M.G.—1; seen under favorable conditions and compared with an Eastern Phoebe at close range. Call note heard); Tree Swallow, 147; Blue Jay, 23; Am. Crow, 2; House Wren, 39; Carolina Wren, 6; Mockingbird, 162; Catbird, 62; Brown Thrasher, 3; Am. Robin, 43; Hermit Thrush, 1; Blue-gray Gnatcatcher, 156; Ruby-crowned Kinglet, 7; Loggerhead Shrike, 43; White-eyed Vireo, 7; Solitary Vireo, 25; Black and White Warbler, 5; Orange-crowned Warbler, 4; Parula Warbler, 3; Black-throated Blue Warbler, 3; Myrtle Warbler, 125; Yellow-throated Warbler, 6; Prairie Warbler, 16; Palm Warbler (Western, 459) (200 est., 259); Oven-bird, 4; Common Yellowthroat, 82; House Sparrow, 227 (200 est., 27); Eastern Meadowlark, 117; Red-winged Blackbird, 594; Boat-tailed Grackle, 66; Purple Grackle, 47; Cardinal, 105; Painted Bunting, 29; Am. Goldfinch, 97; Eastern Towhee, 3; Savannah Sparrow, 73; Grasshopper Sparrow, 4; Chipping Sparrow, 3. **Total,** 103 species; about 7252 individuals.—Wm. G. Atwater, Mrs. Frank G. Cox, Mrs. Wm. V. Dee, Mrs. Roy N. Dickie, Mrs. Jean Dunwody, Ethel M. Green, Endora A. Green, Mrs. Edw. F. Hill, Frederick B. Kopf, Flora E. O'Brien, Mrs. K. C. Payne, Ruby Ruettger, Louis A. Stimson (compiler), Mrs. L. A. Stimson, Arthur I. Taft, Mrs. A. I. Taft.

184. Monroe, Fla. (same area as in previous years, 7½-mile radius centered to include most of Loop Road and parallel part of Tamiami Trail; canal banks, cypress swamp, everglades, a few small pine areas).—Dec. 29; 6:30 a.m. to 6:30 p.m. Clear, light; temp. 65° to 78°; wind NW-NS, 6-4-11 m.p.h. Eight observers in 5 parties. Total party-hours, 48 (23 on foot, 25 by car); total party-miles, 68 (21 on foot, 47 by car). Pied-billed Grebe, 23; Double-crested Cormorant, 3; Water-turkey, 153; Great Blue Heron, 140; Am. Egret, 514; Snowy Egret, 446; Louisiana Heron, 216; Little Blue Heron, 328; Green Heron, 27; Black-crowned Night Heron, 161; Yellow-crowned Night Heron, 26; Am. Bittern, 10; Wood Ibis, 69; White Ibis, 3016 (2500 est., 516); Turkey Vulture, 246; Black Vulture, 63; Red-tailed Hawk, 1; Red-shouldered Hawk, 65; Bald Eagle, 1; Marsh Hawk, 2; Osprey, 1; Sparrow Hawk, 5; Limpkin, 1; King Rail, 4; Sora, 2; Florida Gallinule, 14; Am. Coot, 59; Killdeer, 30; Mourning Dove, 3; Barred Owl, 8; Ruby-throated Hummingbird, 1; Belted Kingfisher, 109; Yellow-shafted Flicker, 10;

Pileated Woodpecker, 7; Red-bellied Woodpecker, 32; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 1; Western Kingbird, 1 (Dickie, Dee, carefully checked for all identifying marks); Crested Flycatcher, 7; Eastern Phoebe, 14; Tree Swallow, 47; Am. Crow, 61; House Wren, 17; Carolina Wren, 27; Mockingbird, 59; Catbird, 37; Brown Thrasher, 2; Am. Robin, 25; Eastern Bluebird, 7; Blue-gray Gnatcatcher, 171; Ruby-crowned Kinglet, 19; Loggerhead Shrike, 1; White-eyed Vireo, 19; Solitary Vireo, 3; Black and White Warbler, 6; Orange-crowned Warbler, 12; Parula Warbler, 6; Myrtle Warbler, 32; Yellow-throated Warbler, 4; Pine Warbler, 3; Prairie Warbler, 9; Palm Warbler (Western), 69; Common Yellowthroat, 154; Eastern Meadowlark, 4; Red-winged Blackbird, 158; Boat-tailed Grackle, 149; Purple Grackle, 65; Cardinal, 48; Am. Goldfinch, 96; Eastern Towhee, 1; Savannah Sparrow, 1; Swamp Sparrow, 10. **Total,** 72 species; about 7144 individuals.—Wm. G. Atwater, Mrs. Wm. V. Dee, Mrs. Roy N. Dickie, Frederick B. Kopf, Mr. and Mrs. Louis A. Stimson (compiler), Mr. and Mrs. Arthur I. Taft.

185. Northwest Manatee Co., Fla. (about 6-miles square including Tampa Bay shore, several creeks and salt marshes, pinelands, cattle range, oak and cabbage palm hammocks; cultivated farmlands, open prairie with ponds, etc.).—Dec. 28; 6 to 11 a.m., 11:30 to 5 p.m. Partly cloudy; temp. 60° to 75°; wind NW, light. One observer. Total hours, 8½ (6½ on foot, 2 by car); total miles, 26 (10 on foot, 16 by car). Pied-billed Grebe, 3; Brown Pelican, 197; Water-turkey, 4; Man-o'-war-bird, 1; Great Blue Heron, 19; Am. Egret, 111; Snowy Egret, 14; Louisiana Heron, 16; Little Blue Heron, 19; Green Heron, 3; Wood Ibis, 140; White Ibis, 36; Lesser Scaup, 129; Turkey Vulture, 227; Black Vulture, 61; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 14; Bald Eagle, 1 (at nest); Marsh Hawk, 7; Osprey, 2; Sparrow Hawk, 16; Bob-white, 64; King Rail, 2; Purple Gallinule, 10; Florida Gallinule, 9; Am. Coot, 36; Wilson's Plover, 3; Killdeer, 156; Wilson's Snipe, 10; Spotted Sandpiper, 6; Willet, 1; Least Sandpiper, 19; Sanderling, 34; Herring Gull, 41; Ring-billed Gull, 111; Laughing Gull, 125; Bonaparte's Gull, 74; Mourning Dove, 114; Ground Dove, 12; Barn Owl, 1; Screech Owl, 1; Horned Owl, 1; Burrowing Owl, 1; Barred Owl, 4; Belted Kingfisher, 26; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 1; Hairy Woodpecker, 1; Tree Swallow, 17; Blue Jay, 74; Scrub Jay, 1; Am. Crow, 16; Fish Crow, 23; Brown Creeper, 3; House Wren, 2; Carolina Wren, 2; Mockingbird, 46; Catbird, 9; Brown Thrasher, 1; Am. Robin, 157; Eastern Bluebird, 14; Loggerhead Shrike, 27; Myrtle Warbler, 176; Pine Warbler, 8; Palm Warbler, 140; Eastern Meadowlark, 38; Red-winged Blackbird, 210; Boat-tailed Grackle, 56; Purple Grackle, 19; Cardinal, 4; Am. Goldfinch, 2; Savannah Sparrow, 36; Vesper Sparrow, 27; Pine-woods Sparrow, 14; Field Sparrow, 5; Song Sparrow, 1. **Total,** 78 species; 3031 individuals.—Karl Squires.

186. Palm Beach, Fla. (from west Palm Beach, west on Okeechobee Road, 5 miles to Military Trail, north to Lake Park Road 7 miles, west 8 miles then east 11 miles to Lake Park, north 3 miles and east 3 miles to Juno Beach, south 10 miles to West Palm Beach).—Jan. 1; 8 a.m. to 3:30 p.m. Partly cloudy, later sunny; temp. 60° to 70°; wind E by NE, 10 m.p.h. Sixteen observers in 2 parties. Total party-hours, 10½ (by car); total party-miles, 48 (by car). Pied-billed Grebe, 4; Brown Pelican, 18; Double-crested Cormorant, 23; Water-turkey, 2; Great Blue Heron, 13; Am. Egret, 24; Snowy Egret, 94; Louisiana Heron, 5; Little Blue Heron, 22; Am. Bittern, 1; Wood Ibis, 7; White Ibis, 3; Glossy Ibis, 3; Lesser Scaup, 36; Turkey Vulture, 36; Black Vulture, 52; Broad-winged Hawk, 1; Marsh Hawk, 2; Osprey, 1; Sparrow Hawk, 12; Purple Gallinule, 1; Am. Coot, 2; Killdeer, 24; Black-bellied Plover, 1; Ruddy Turnstone, 3; Wilson's Snipe, 31; Lesser Yellow-legs, 5; Dowitcher, 4; Sanderling, 4; Herring Gull, 1; Ring-billed Gull, 39; Common Tern, 1; Mourning Dove, 34; Ground Dove, 1; Belted Kingfisher, 16; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 1; Eastern Phoebe, 6; Tree Swallow, 11; Am. Crow, 6; Mockingbird, 10; Am. Robin, 204+; Blue-gray Gnatcatcher, 1; Loggerhead Shrike, 14; Myrtle Warbler, 10; Prairie Warbler, 1; Palm Warbler, 16; Eastern Meadowlark, 10; Red-winged Blackbird, 219; Boat-tailed Grackle, 52; Purple Grackle, 8; Cardinal, 3; Eastern Towhee (white-eyed), 1; Savannah Sparrow, 1. **Total,** 55 species; 1067 individuals.—M. U. Mounts, Mrs. C. D. Kelly, Mr. and Mrs. L. T. Plantz, Ramon W. Henson, Timothy Henson, Rudolph P. Tomasello, Alice C. Swain, Bernadine M. Webster, Howard P. Webster, Belle W. Nasal, Mr. and Mrs. Henry J. Burkhardt, Mr. and Mrs. W. E. Cox, Mrs. James A. Kennedy (Audubon Society of the Everglades).

187. Panacea, Fla. (areas covered about as in 1949, except more work in interior; Gulf beach 26%, bay shores 12%, Ochlockonee and Sopchoppy Rivers 13%, fresh-water marshes ½%, salt marshes 8%, cypress-gum swamps 5%, cultivated fields 3%, pastures and old fields 8%, pine woods 13%, deciduous woods 11%, residential sections ½%).—Jan. 1; 7 a.m. to 6 p.m. Partly cloudy; temp. 38° to 65°; wind ESE, 2-8 m.p.h. Nine observers in 4 parties. Total party-hours, 38 (29¼ on foot, 4¾ by car, 4 by canoe); total party-miles, 146½ (30 on foot, 110 by car, 6½ by canoe). Common Loon, 40; Horned Grebe, 13; Pied-billed Grebe, 19; White Pelican, 4; Double-crested Cormorant, 300; Great Blue Heron, 14; Am. Egret, 6; Snowy Egret, 4; Louisiana Heron, 13; Little Blue Heron, 5; Wood Ibis, 1 (2 parties); Canada Goose, 550; Mallard, 3; Black Duck, 2; Pintail, 10; Blue-winged Teal, 1; Wood

Duck, 1; Ring-necked Duck, 20; Am. Golden-eye, 13; Lesser Scaup, 10; unidentified scaups, 300; Buffle-head, 10; Hooded Merganser, 20; Red-breasted Merganser, 35; Turkey Vulture, 43; Black Vulture, 9; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 5; Bald Eagle, 2; Marsh Hawk, 4; Pigeon Hawk, 1 (R.W. & party); Sparrow Hawk, 5; Bob-white, 21; Clapper Rail, 3; Virginia Rail, 1 (H.S.); Am. Coot, 800; Piping Plover, 23; Snowy Plover, 25; Ringed Plover, 1; Killdeer, 44; Black-bellied Plover, 21; Ruddy Turnstone, 9; Wilson's Snipe, 7; Spotted Sandpiper, 1 (R.W. & party); Willet, 55; Greater Yellow-legs, 2; Least Sandpiper, 1; Red-backed Sandpiper, 525; Dowitcher, 4; Semipalmated Sandpiper, 50; Western Sandpiper, 1; Marbled Godwit, 2 (W.C.); Sanderling, 210; Herring Gull, 80; Ring-billed Gull, 190; Bonaparte's Gull, 1 (W.C.); Forster's Tern, 20; Royal Tern, 15; Caspian Tern, 4; Black Skimmer, 1; Mourning Dove, 2; Ground Dove, 10; Horned Owl, 1; Belted Kingfisher, 15; Yellow-shafted Flicker, 25; Pileated Woodpecker, 8; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 14; Red-cockaded Woodpecker, 1; Eastern Phoebe, 40; Tree Swallow, 95; Rough-winged Swallow, 1 (H.S.—good light; 10x glasses; others seen nearby this winter); Blue Jay, 51; Am. Crow, 130; Fish Crow, 125; Carolina Chickadee, 28; Tufted Titmouse, 13; Brown-headed Nuthatch, 19; House Wren, 20; Winter Wren, 5; Carolina Wren, 16; Long-billed Marsh Wren, 21; Short-billed Marsh Wren, 3; Mockingbird, 82; Catbird, 17; Brown Thrasher, 24; Am. Robin, 190; Hermit Thrush, 20; Eastern Bluebird, 68; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 85; Water Pipit, 30; Cedar Waxwing, 370; Loggerhead Shrike, 10; Common Starling, 2; White-eyed Vireo, 4; Solitary Vireo, 1; Black and White Warbler, 3; Orange-crowned Warbler, 4; Myrtle Warbler, 350; Yellow-throated Warbler, 1; Pine Warbler, 26; Palm Warbler, 170 (2 races); Common Yellowthroat, 35; House Sparrow, 2; Eastern Meadowlark, 28; Red-winged Blackbird, 4000; Boat-tailed Grackle, 37; Purple Grackle, 1000; Brown-headed Cowbird, 5; Cardinal, 66; Am. Goldfinch, 6; Eastern Towhee, 140; Savannah Sparrow, 7; Grasshopper Sparrow, 1 (H.S.); Sharp-tailed Sparrow, 3; Seaside Sparrow, 11; Vesper Sparrow, 30; Slate-colored Junco, 3 (2 parties); Chipping Sparrow, 100; Field Sparrow, 7; White-throated Sparrow, 16; Swamp Sparrow, 28; Song Sparrow, 25. **Total,** 128 species (1 additional subspecies); 11,262 individuals. (Seen in area Dec. 20: Osprey, Pine Siskin.)—William Cross, Ernest P. Edwards, Edgar Evans, Billy MacGowan, Henry M. Stevenson, Rosa Belle Stevenson, George Tolleson, Malvina Trussell, Richard West.

188. Pensacola, Fla. (same territory as for many years; city and suburban 10%, open bay and bay shores [largely by car] 25%, scrub oak 2%, mature live oak and deciduous woods 18%, pine woods 17%, pastures and cut-over woods (mostly by car) 16%, wooded swamps 2%, fresh-water ponds 6%, salt marsh 1%, Gulf beach and dunes 3%).—Dec. 31; 7:15 a.m. to 5:15 p.m. Clear; temp. 38° to 58°; wind N, 12 m.p.h.; ground bare. Eight observers in 3 parties. Total party-hours, 28 (13 on foot, 15 by car); total party-miles, 119 (12 on foot, 107 by car). Common Loon, 46; Horned Grebe, 69; Pied-billed Grebe, 5; Brown Pelican, 9; Double-crested Cormorant, 155; Great Blue Heron (Ward's), 2; Blue-winged Teal, 2; Redhead, 5; Lesser Scaup, 46; Am. Golden-eye, 4; Buffle-head, 16; Hooded Merganser, 1; Red-breasted Merganser, 66; Turkey Vulture, 8; Black Vulture, 42 (includes flock of 38); Sharp-shinned Hawk, 2; Bald Eagle, 1; Marsh Hawk, 1; Pigeon Hawk (rare), 1; Sparrow Hawk, 4; Clapper Rail, 1; Snowy Plover (Cuban), 1; Ringed Plover (rare in winter), 1; Killdeer, 54; Black-bellied Plover, 9; Wilson's Snipe, 2; Red-backed Sandpiper, 11; Sanderling, 64; Herring Gull, 48; Ring-billed Gull, 162; Laughing Gull, 21; Bonaparte's Gull, 6; Forster's Tern, 1; Common Tern, 2; Royal Tern, 26; Black Skimmer, 6; Mourning Dove, 15; Belted Kingfisher, 9; Yellow-shafted Flicker, 19; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 12; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 5; Eastern Phoebe, 14; Blue Jay, 108; Am. Crow and Fish Crow, 30; Carolina Chickadee, 8; Tufted Titmouse, 33; House Wren, 8; Bewick's Wren (rare), 1; Carolina Wren, 9; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 2; Mockingbird, 93; Catbird (rare winter), 1; Brown Thrasher, 27; Am. Robin, 232; Hermit Thrush, 13; Eastern Bluebird, 118; Blue-gray Gnatcatcher, 10; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 85; Cedar Waxwing, 68; Loggerhead Shrike, 27; Common Starling, 57; Solitary Vireo, 3; Orange-crowned Warbler, 7; Myrtle Warbler, 214; Yellow-throated Warbler, 2; Pine Warbler, 24; Palm Warbler (Western & Yellow), 49; Oven-bird, 1 (3rd winter in 35 yrs.; rarity known to observers); Common Yellow-throat, 10; House Sparrow, 90; Eastern Meadow-lark, 57; Red-winged Blackbird, 492 (400 est., 92); Purple Grackle (Florida), 9; Brown-headed Cowbird, 1; Cardinal, 31; Am. Goldfinch, 31; Eastern Towhee (Alabama), 101; Savannah Sparrow, 3; Seaside Sparrow, 1; Vesper Sparrow, 12; Slate-colored Junco, 4 (rare); Chipping Sparrow, 62; Field Sparrow, 29; White-throated Sparrow, 368; Swamp Sparrow, 3; Song Sparrow, 4. **Total,** 92 species (1 additional subpecies); about 3536 individuals.—Frank Bray, Carolyn Duffey, Lyman E. Goodnight, Lennie E. Pate, Maleta M. Wernicke, Francis M. Weston, Geneva W. Weston, A. Frederick Wicke, Jr. (Francis M. Weston Society of Natural History).

189. St. Marks, Fla. (limits of circle and areas covered about as in 1949; bay shores 14%, fresh-water and brackish lakes and ponds 14%, Wakulla River 16%, fresh-water marshes ½%, salt

marshes 8%, cypress-gum swamps 4%, cultivated fields 1%, pastures and old fields 3½%, pine woods 13%, deciduous woods 24%, residential sections 2%).—Dec. 28; 7 a.m. to 6 p.m. Mostly cloudy; temp. 45° to 58°; wind E, 5-8 m.p.h. Seven observers in 4 parties. Total party-hours, 38¼ (22¼ on foot, 8½ by car, 7½ by canoe); total party-miles, 132½ (19½ on foot, 101 by car, 12 by canoe). Common Loon, 12; Horned Grebe, 13; Pied-billed Grebe, 30; White Pelican, 13; Double-crested Cormorant, 150; Water-turkey, 25; Great Blue Heron, 24; Am. Egret, 76; Snowy Egret, 15; Louisiana Heron, 10; Little Blue Heron, 8; Black-crowned Night Heron, 11; Whistling Swan, 3 (2 imm. and 1 ad.; seen by others recently—W.C. and S.C.); Canada Goose, 1800; Mallard, 75; Black Duck, 45; Gadwall, 45; Am. Widgeon, 65; Pintail, 110; Green-winged Teal, 250; Blue-winged Teal, 5; Shoveller, 20; Wood Duck, 80; Redhead, 1; Ring-necked Duck, 55; Canvas-back, 20; Greater Scaup, 1; Lesser Scaup, 25; unidentified scaups, 7; Am. Golden-eye, 1; Buffle-head, 9; Ruddy Duck, 23; Hooded Merganser, 35; Red-breasted Merganser, 30; Turkey Vulture, 40; Black Vulture, 60; Everglade Kite, 1 (ad. ♀; white base of tail and orange feet seen with 10x glasses; feeding on snail—H.S.); Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 12; Bald Eagle, 1; Marsh Hawk, 6; Sparrow Hawk, 8; Limpkin, 5; Clapper Rail, 5; Sora, 2 (H.S.); Florida Gallinule, 3; Am. Coot, 230; Am. Oyster-catcher, 3 (R.W. and party); Wilson's Plover, 10 (E.E.); Killdeer, 19; Black-bellied Plover, 28; Ruddy Turnstone, 1; Am. Woodcock, 1; Wilson's Snipe, 1; Willet, 8; Greater Yellow-legs, 10; Lesser Yellow-legs, 1; Least Sandpiper, 45; Red-backed Sandpiper, 200; Dowitcher, 60; Herring Gull, 45; Ring-billed Gull, 175; Forster's Tern, 10; Black Skimmer, 5; Mourning Dove, 6; Ground Dove, 12; Horned Owl, 2; Barred Owl, 2; Whip-poor-will, 1 (H.S.); Belted Kingfisher, 23; Yellow-shafted Flicker, 45; Pileated Woodpecker, 29; Red-bellied Woodpecker, 41; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 11; Hairy Woodepecker, 5; Downy Woodpecker, 16; Red-cockaded Woodpecker, 3; Eastern Phoebe, 43; Vermilion Flycatcher, 1 (W.C. and S.C.); Tree Swallow, 975; Rough-winged Swallow, 1 (dark brown above, dusky on breast—H.S.); Blue Jay, 67; Am. Crow, 32; Carolina Chickadee, 18; Tufted Titmouse, 15; Brown-headed Nuthatch, 5; Brown Creeper, 4; House Wren, 20; Winter Wren, 4; Carolina Wren, 27; Long-billed Marsh Wren, 19; Short-billed Marsh Wren, 6; Mockingbird, 45; Catbird, 5; Brown Thrasher, 18; Am. Robin, 150; Hermit Thrush, 23; Eastern Bluebird, 75; Blue-gray Gnatcatcher, 18; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 162; Water Pipit, 60; Cedar Waxwing, 235; Loggerhead Shrike, 9; Common Starling, 4; Solitary Vireo, 7; Black and White Warbler, 9; Orange-crowned Warbler, 8; Myrtle Warbler, 290; Yellow-throated Warbler, 5; Pine Warbler, 42; Palm Warbler, 110 (2 races); Common Yellow-throat, 37; House Sparrow, 15; Eastern Meadowlark, 6; Red-winged Blackbird, 1700; Rusty Blackbird, 6 (W.C. and S.C.); Boat-tailed Grackle, 100; Purple Grackle, 1; Cardinal, 70; Purple Finch, 1 (H.S.); Am. Goldfinch, 50; Eastern Towhee, 56; Savannah Sparrow, 8; Sharp-tailed Sparrow, 24; Seaside Sparrow, 13; Vesper Sparrow, 45; Slate-colored Junco, 2 (H.S.); Chipping Sparrow, 30; Field Sparrow, 1; White-throated Sparrow, 70; Swamp Sparrow, 35; Song Sparrow, 9. **Total,** 135 species (1 additional subspecies); about 9088 individuals.—Sue Cates, William Cross, Ernest P. Edwards, John MacGowan, Henry M. Stevenson, Murray Wadsworth, Richard West.

190. St. Petersburg, Fla. (Gulfport, Pass-a-Grille, Gulf Beaches, Shore Acres, Snell Isle and inland south of Largo; sea beaches and lake shores 62%, roadsides 15%, woods 15%, marsh 3%, airports, golf course, and pastures 5%).—Dec. 26; 5:45 a.m. to 6:15 p.m. Clear to cloudy in p.m.; temp. 54° to 66°; wind 0-7 m.p.h. Twenty-seven observers in 10 parties. Total party-hours, 87½ (34¼ by car, 53¼ on foot); total party-miles 247 (49 on foot, 198 by car). Common Loon, 26; Horned Grebe, 11; Pied-billed Grebe, 34; White Pelican, 7; Brown Pelican, 807; Double-crested Cormorant, 694; Water-turkey, 3; Man-o'-war-bird, 1; Great Blue Heron, 105 (including Ward's Heron, 9 on nest); Am. Egret, 139; Snowy Egret, 107; Louisiana Heron, 84; Little Blue Heron, 190; Green Heron, 11; Black-crowned Night Heron, 8; Yellow-crowned Night Heron, 52; Am. Bittern, 3; Wood Ibis, 20; White Ibis, 287; Mottled Duck, 5; Gadwall, 15 (H.B.D.); Am. Pintail, 1004; Blue-winged Teal, 6; Wood Duck, 2; Ring-neck Duck, 505; Lesser Scaup, 2809; Ruddy Duck, 23; Red-breasted Merganser, 148; Turkey Vulture, 300; Black Vulture, 308; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 9; Broad-winged Hawk, 1; Bald Eagle, 27; Marsh Hawk, 6; Pigeon Hawk, 3; Sparrow Hawk, 49; Bob-white, 57; Clapper Rail, 1; Virginia Rail, 1; Sora, 15; Florida Gallinule, 18; Am. Coot, 2006; Ringed Plover, 188; Wilson's Plover, 27; Killdeer, 154; Black-bellied Plover, 152; Ruddy Turnstone, 217; Wilson's Snipe, 1; Hudsonian Curlew, 1; Spotted Sandpiper, 34; Willet, 319; Greater Yellow-legs, 1; Lesser Yellow-legs, 11; Am. Knot, 46; Least Sandpiper, 55; Red-backed Sandpiper, 190; Dowitcher, 48; Semipalmated Sandpiper, 297; Western Sandpiper, 12; Marbled Godwit, 33; Sanderling, 76; Herring Gull, 214; Ring-billed Gull, 8972; Laughing Gull, 592; Bonaparte's Gull, 12; Forster's Tern, 231; Common Tern, 3; Royal Tern, 338; Cabot's Tern, 80; Caspian Tern, 38; Black Skimmer, 1091; Mourning Dove, 399; Ground Dove, 47; Barn Owl, 1; Screech Owl, 2; Barred Owl, 1; Belted Kingfisher, 80; Yellow-shafted Flicker, 41; Pileated Woodpecker, 1; Red-bellied Woodpecker, 98; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 4; Eastern Kingbird, 1; Eastern Phoebe, 40; Tree

Swallow, 496; Blue Jay, 117; Fish Crow, 166; Tufted Titmouse, 3; Brown-headed Nuthatch, 12; House Wren, 49; Carolina Wren, 12; Long-billed Marsh Wren, 18; Short-billed Marsh Wren, 2; Mockingbird, 266; Catbird, 36; Brown Thrasher, 8; Am. Robin, 1634; Hermit Thrush, 1; Eastern Bluebird, 114; Blue-gray Gnatcatcher, 40; Ruby-crowned Kinglet, 19; Cedar Waxwing, 16; Loggerhead Shrike, 123; White-eyed Vireo, 3; Yellow-throated Vireo, 3; Solitary Vireo, 7; Black and White Warbler, 5; Orange-crowned Warbler, 5; Myrtle Warbler, 4435; Yellow-throated Warbler, 5; Pine Warbler, 37; Prairie Warbler, 12; Palm Warbler, 902; Oven-bird, 2; Common Yellowthroat, 43; House Sparrow, 179; Eastern Meadowlark, 76; Red-winged Blackbird, 1451; Boat-tailed Grackle, 336; Purple Grackle, 15; Brown-headed Cowbird, 500; Cardinal, 47; Am. Goldfinch, 616; Eastern Towhee, 71; Savannah Sparrow, 12; Grasshopper Sparrow, 2; Sharp-tailed Sparrow, 9; Pine-woods Sparrow, 1; Chipping Sparrow, 10; White-throated Sparrow, 5; Swamp Sparrow, 17; Song Sparrow, 1. **Total,** 137 species; about 36,014 individuals. (Osprey and Horned Owl were seen the next day.)—Cleora Adams, William Baxter, Marion Beecher, Mr. and Mrs. E. J. Buchwall, Marie Cobb, Mr. and Mrs. Allan Cruickshank, Lt. Col. and Mrs. Dawson, Albert Dietrich, Albert Frederick, Etta Gleisner, Alice Hall, Mrs. M. B. Hanrahan, Christie Mason, Mary Lou Mills, Robin Mills, C. N. Moore, Daisie Morrison (compiler), Mrs. C. Quackenbush, Molly Rutherford, Mr. and Mrs. A. F. Satterthwait, H. S. Slocum, Ettie Weenink, C. Woodworth.

191. Tallahassee, Fla. (limits of circle as in 1948 and 1949 counts; Southwood Plantation added to areas covered in 1949; open shores of lakes and ponds 23%, wooded shores of lakes and ponds 18%, marshes 1%, cultivated fields 7%, pastures and old fields 25%, pine woods 9%, deciduous woods 15%, residential sections 2%).—Dec. 23; 5 a.m. to 6:15 p.m. Clear; temp. 40° to 65°; wind calm; very low water levels account for absence of some ducks and presence of shore birds. Six observers in 3 parties. Total party-hours, 28 (22 on foot, 2 by car, 4 by bicycle); total party-miles, 101 (23 on foot, 60 by car, 18 by bicycle). Common Loon, 1 (H.S.); Horned Grebe, 4; Pied-billed Grebe, 39; Double-crested Cormorant, 63; Water-turkey, 6; Great Blue Heron, 22; Am. Egret, 17; Little Blue Heron, 14; Black-crowned Night Heron, 1 (H.S. and party); Canada Goose, 950; Snow Goose, 9 (R.W.); Blue Goose, 2 (R.W.); Mallard, 35; Gadwall, 16; Am. Widgeon, 8; Pintail, 65; Green-winged Teal, 14; Blue-winged Teal, 1; Wood Duck, 2; Ring-necked Duck, 380; Lesser Scaup, 1; Am. Golden-eye, 1; Bufflehead, 7; Ruddy Duck, 310; Turkey Vulture, 24; Black Vulture, 28; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 6; Bald Eagle, 3; Marsh Hawk, 2; Peregrine Falcon, 1 (R.W.); Sparrow Hawk, 10; Bob-white, 22; Am. Coot, 775; Killdeer, 226; Wilson's Snipe, 61; Spotted Sandpiper, 1 (W.C.); Greater Yellow-legs, 1; Least Sandpiper, 70; Red-backed Sandpiper, 1 (W.C.); Herring Gull, 3; Ring-billed Gull, 16; Bonaparte's Gull, 1 (W.C.); Forster's Tern, 1 (W.C.) Mourning Dove, 435; Ground Dove, 11; Horned Owl, 5; Belted Kingfisher, 19; Yellow-shafted Flicker, 45; Pileated Woodpecker, 4; Red-bellied Woodpecker, 27; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 14; Red-cockaded Woodpecker, 4; Eastern Phoebe, 51; Vermilion Flycatcher, 1 (W.C.); Tree Swallow, 30; Rough-winged Swallow, 5 (dark brown above, dusky on breast; previous December records—W.C.); Blue Jay, 82; Am. Crow, 107; Fish Crow, 7; Carolina Chickadee, 17; Tufted Titmouse, 9; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 7; Brown Creeper, 1; House Wren, 35; Winter Wren, 3; Carolina Wren, 44; Short-billed Marsh Wren, 3; Mockingbird, 49; Catbird, 1 (R.W.); Brown Thrasher, 17; Am. Robin, 90; Hermit Thrush, 17; Eastern Bluebird, 42; Blue-gray Gnatcatcher, 3; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 76; Water Pipit, 335; Loggerhead Shrike, 13; Common Starling, 2; Solitary Vireo, 3; Black and White Warbler, 7; Orange-crowned Warbler, 6; Myrtle Warbler, 110; Yellow-throated Warbler, 4; Pine Warbler, 17; Palm Warbler, 66 (2 races); Common Yellowthroat, 38; House Sparrow, 45; Eastern Meadowlark, 80; Red-winged Blackbird, 135; Purple Grackle, 1; Cardinal, 96; Pine Siskin, 1 (H.S. and party); Am. Goldfinch, 80; Eastern Towhee, 50; Savannah Sparrow, 14; Grasshopper Sparrow, 2 (H.S. and party); Vesper Sparrow, 50; Pine-woods Sparrow, 1; Slate-colored Junco, 15; Chipping Sparrow, 2; Field Sparrow, 9; White-throated Sparrow, 170; Fox Sparrow, 6; Swamp Sparrow, 40; Song Sparrow, 25. **Total,** 112 species (1 additional subspecies); 5932 individuals. (Seen in area recently: Dec. 21, Louisiana, Green, and Yellow-crowned Night Herons, Shoveller, Hooded Merganser, Brown-headed Cowbird; Dec. 27, White-eyed Vireo.)—Sue Cates, William Cross, Edgar Evans, W. L. Neal, Henry M. Stevenson, Richard West.

192. Welaka, Fla. (Welaka to Fruitland by car, Fruitland to Lake George by West Channel, along south shore of Drayton Is. to East Channel and back to Fruitland, 12½ miles by boat; Welaka federal fish hatchery ponds and preserve afoot, 2½ miles; shoreline 82%, residential 2%, ponds 10%, pine woods 5%, deciduous 1%).—Dec. 28; 7 to 11 a.m., 12 to 6 p.m. Foggy-cloudy; temp. 52° to 57°; wind N, 7 m.p.h., to E, 4 m.p.h.; 6 ponds with water low. One observer. Total party-hours, 10 (6 on foot, ½ by car, 3½ by boat); total party-miles, 23½ (2½ on foot, 8½ by car, 12½ by boat). Pied-billed Grebe, 10; Double-crested Cormorant, 24; Water-turkey, 12; Great Blue Heron, 9; Am. Egret, 3; Little Blue Heron, 4; Am. Bittern, 1; Am. Widgeon, 33; Green-winged Teal, 2; Blue-winged Teal, 3; Ring-necked Duck, 255; Lesser Scaup, 37; Ruddy

Duck, 1; Hooded Merganser, 1; Turkey Vulture, 22; Black Vulture, 13; Red-shouldered Hawk, 3; Bald Eagle, 5; Sparrow Hawk, 1; Bob-white, 1; Am. Coot, 237; Killdeer, 14; Wilson's Snipe, 18; Herring Gull, 6; Ring-billed Gull, 45; Common Tern, 2; Mourning Dove, 9; Ground Dove, 8; Belted Kingfisher, 5; Yellow-shafted Flicker, 7; Pileated Woodpecker, 3; Red-bellied Woodpecker, 8; Downy Woodpecker, 2; Eastern Phoebe, 7; Tree Swallow, 6; Blue Jay, 19; Tufted Titmouse, 1; House Wren, 2; Winter Wren, 1; Carolina Wren, 1; Short-billed Marsh Wren, 7; Mockingbird, 8; Catbird, 10; Brown Thrasher, 4; Am. Robin, 64; Hermit Thrush, 1; Eastern Bluebird, 1; Blue-gray Gnatcatcher, 1; Water Pipit, 1; Cedar Waxwing, 26; Loggerhead Shrike, 7; White-eyed Vireo, 2; Myrtle Warbler, 45; Yellow-throated Warbler, 1; Palm Warbler, 14; Oven-bird, 1; Common Yellowthroat, 8; Eastern Meadowlark, 32; Red-winged Blackbird, 70; Boat-tailed Grackle, 9; Purple Grackle, 1; Cardinal, 20; Am. Goldfinch, 15; Eastern Towhee, 20; Vesper Sparrow, 8; Chipping Sparrow, 133; Field Sparrow, 1. **Total,** 67 species; about 1351 individuals. Seen in area Dec. 27: 1 Snowy Egret, 1 Florida Gallinule; on Dec. 29: 2 Horned Owls, 1 Cooper's Hawk, 3 Ruby-crowned Kinglets.—George Horel.

193. Ashland, Ohio (regular area at Charles Mill Dam reservoir; deciduous woods 40%, waste fields 20%, cultivated fields 10%, marsh and bushy swamps 20%, roadside 5%, pine plantings 5%).—Dec. 31; 8 a.m. to 5 p.m. Cloudy in a.m., clear in p.m.; temp. 23° to 32°; wind NW, 0-5 m.p.h.; ground frozen, 4 in. of snow; lake frozen. Ten observers in 4 parties. Total party-hours, 27 (on foot); total party-miles, 32 (on foot). Black Duck, 23; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 1; Bob-white, 50; Ring-necked Pheasant, 16; Killdeer, 4; Mourning Dove, 18; Belted Kingfisher, 1; Yellow-shafted Flicker, 9; Pileated Woodpecker, 2; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 45; Blue Jay, 28; Am. Crow, 1; Black-capped Chickadee, 57; Tufted Titmouse, 61; White-breasted Nuthatch, 61; Brown Creeper, 5; Carolina Wren, 1; Am. Robin, 118; Eastern Bluebird, 9; Golden-crowned Kinglet, 2; Common Starling, 140; House Sparrow, 187; Cardinal, 79; Purple Finch, 1; Am. Goldfinch, 27; Slate-colored Junco, 96; Am. Tree Sparrow, 531; Swamp Sparrow, 1; Song Sparrow, 163. **Total,** 35 species; about 1752 individuals.—Charles S. Ross, Paul D. Harwood, S. M. Martin, Paul Thornburg, Wakeman Bell, David Grindle, Edson Grindle, Curtis Thompson, Duane Thompson, Burton C. Kahl (Ashland Naturalists Society).

194. Ashtabula, Ohio (Lake Erie shore from west of Ashtabula to Conneaut (14 miles) and most of the lake plain, from shore inland 5 miles; open farmland 50%, swamp forest-beech-maple woodlands with much hemlock and some white pine 25%, abandoned fields with aspen-sumac-thorn-apple thickets 20%, river gorges, swamps, ponds and bottomlands 5%).—Dec. 27; 7 a.m. to 6 p.m. Mostly clear; temp. -2° to -18° in various parts of area at start, moderating to 22° to 28°; wind 0-10 m.p.h.; ground completely covered with 4 to 8-in. of snow in the open, 2 to 3 times as much in some of the shaded woodlands; all streams frozen. Lake Erie beginning to freeze and bordered with 100-yd. band of storm ice 5 to 15 feet thick. Six observers, mostly in 3 groups. Total party-hours, 30 (25 on foot, 5 by car); total miles, 112 (42 on foot, 70 by car). About 60 hours of additional field work preceding and following the census day. Double-crested Cormorant, 1; Mallard, 2; Black Duck, 16; Redhead, 4; Canvas-back, 4; scaup [sp.], 13; Am. Golden-eye, 170; Buffle-head, 2; Old-squaw, 14; Hooded Merganser, 2; Am. Merganser, 195; Red-breasted Merganser, 1; Cooper's Hawk, 2; Marsh Hawk, 1; Peregrine Falcon, 1 (5 miles east of Ashtabula where another individual was recently observed chasing pigeons); Pigeon Hawk, 1 [no details—Ed.]); Ring-necked Pheasant, 2; Great- Black backed Gull, 1; Herring Gull, 196; Ring-billed Gull, 2; Mourning Dove, 2; Barred Owl, 1; Snowy Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 16; Blue Jay, 6; Am. Crow, 1; Black-capped Chickadee, 25; Tufted Titmouse, 3; White-breasted Nuthatch, 7; Brown Creeper, 12; Am. Robin, 4; Golden-crowned Kinglet, 37; Cedar Waxwing, 7; Common Starling, 515; House Sparrow, 480; Cardinal, 22; redpoll [sp.], 1; Am. Goldfinch, 56; Red Crossbill, 3; White-winged Crossbill, 12; Eastern Towhee, 1; Slate-colored Junco, 42; Tree Sparrow, 65; White-throated Sparrow, 2 (in confer clumps in Lake Park); Song Sparrow, 3; Snow Bunting, 37. **Total,** 49 species; 1996 individuals. (Seen on Dec. 24: Northern Shrike, 1; Dec. 28, Ruffed Grouse, 2; Sparrow Hawk, 2; Bonaparte's Gull, 3; Mourning Dove, 45; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Horned Lark, 12; Purple Finch, 1).—Lawrence E. Hicks, William Davis, Ernest Limes, Milton B. Trautman, Henry Schuer, Merritt Gilfillan.

195. Brecksville, Ohio (Center Point State Route 82 and Cuyahoga River; deciduous woodland 50%, open farmland 20%, open fields 25%, town suburbs 5%).—Dec. 23; 8 a.m. to 5:30 p.m. Cloudy; temp. 26° to 38°; wind SW to NE, 8-12 m.p.h.; ground covered with 6 in. of snow, river and canal open. Four observers in 4 parties. Total party-hours, 30 (20 on foot, 10 by car); total party-miles, 234½ (24½ on foot, 210 by car). Mallard, 42; Black Duck, 43; Wood Duck, 2; Lesser Scaup, 2; Am. Golden-eye, 22; Red-breasted Merganser, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 1; Ring-necked Pheasant, 1; Ring-billed Gull, 7; Barred Owl, 2; Belted Kingfisher, 2;

Yellow-shafted Flicker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 27; Blue Jay, 33; Am. Crow, 11; Black-capped Chickadee, 50; Tufted Titmouse, 20; White-breasted Nuthatch, 14; Brown Creeper, 9; Carolina Wren, 6; Eastern Bluebird, 5; Golden-crowned Kinglet, 20; Cedar Waxwing, 9; Gray Shrike, 1; Common Starling, 179; Myrtle Warbler, 22; House Sparrow, 125; Eastern Meadowlark, 5; Cardinal, 28; Am. Goldfinch, 37; Eastern Towhee, 1; Slate-colored Junco, 45; Am. Tree Sparrow, 66; Field Sparrow, 9; Song Sparrow, 32. **Total,** 41 species; 894 individuals.—R. W. Hill, Richard P. Klein (compiler), Jerry Piskac, Merit Skaggs.

196. Buckeye Lake, Ohio (about the same area as in past 26 years; deciduous woodlands 60%, open farmland 30%, brushy swamp and cattail marsh 10%).—Dec. 24; 7:15 a.m. to 5:15 p.m. Partly cloudy; temp. 22° to 42°; wind W, 15-30 m.p.h.; ground 50% snow-covered, flooded swamp woodland ice-covered; streams partly unfrozen, lake entirely frozen over. Fifteen observers in 4 parties. [Total party-hours not stated—Ed.]. Total miles, 202 (75 on foot, 127 by auto). Black Duck, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 11; Bob-white, 126 (11 coveys flushed, tracks of 11 additional coveys); Ring-necked Pheasant, 7; Mourning Dove, 38; Barn Owl, 1; Screech Owl, 3; Barred Owl, 8; Belted Kingfisher, 1; Yellow-shafted Flicker, 72; Pileated Woodpecker, 3; Red-bellied Woodpecker, 35; Red-headed Woodpecker, 3; Hairy Woodpecker, 18; Downy Woodpecker, 143; Horned Lark, 185; Blue Jay, 72; Am. Crow, 18; Carolina Chickadee, 178; Tufted Titmouse, 103; White-breasted Nuthatch, 97; Red-breasted Nuthatch, 1; Brown Creeper, 38; Winter Wren, 4; Bewick's Wren, 1; Carolina Wren, 9; Mockingbird, 1; Am. Robin, 21; Hermit Thrush, 4; Eastern Bluebird, 28; Golden-crowned Kinglet, 58; Ruby-crowned Kinglet, 1; Cedar Waxwing, 1; Loggerhead Shrike, 2; Common Starling, 428; Myrtle Warbler, 16; House Sparrow, 1732 (est.); Eastern Meadowlark, 19; Red-winged Blackbird, 2; Cardinal, 224; Purple Finch, 7; Am. Goldfinch, 59; Eastern Towhee, 1; Slate-colored Junco, 148; Am. Tree Sparrow, 400; Swamp Sparrow, 2; Song Sparrow, 217; Snow Bunting, 4. **Total,** 54 species; about 4578 individuals.—Arthur C. Borror, Donald J. Borror, Floyd B. Chapman, Audrey H. Claugus, Rod Cochran, Lawrence E. Hicks, David Horn, James H. Jenkins, Arthur S. Kiefer, Ernest O. Limes, Joe Meara, Eugene E. Postle, Irvin B. Rickly, Henry Schuer, Milton B. Trautman.

197. Bucyrus, Ohio (Kuehnle, Kurtz and Rexroth farms southeast of city to intersection of Mt. Vernon Rd. and Galion Rd.; mixed deciduous woods 50%, wooded bottomlands 35%, cultivated fields 10%, beech-sugar maple climax woods 4%, pine-hemlock reforestation grove 1%).—Dec. 28; 8 a.m. to 4 p.m. Sunny; temp. -1° to 23°; wind S, 2-5 m.p.h.; ground covered with 6-8-in. fluffy snow. Two observers in 2 parties. Total party-hours, 16 (15 on foot, 1 by car); total party-miles, 57 (15 on foot, 42 by car). Sharp-shinned Hawk, 1; Marsh Hawk, 1; Bob-white, 65; Ring-necked Pheasant, 8; Mourning Dove, 304; Barred Owl, 1; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 25; Hairy Woodpecker, 6; Downy Woodpecker, 13; Blue Jay, 32; Black-capped Chickadee, 5 (seen and heard at distance of 6 feet in bright sunlight); Carolina Chickadee, 4; Tufted Titmouse, 22; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 2; Brown Creeper, 4; Eastern Bluebird, 3; Common Starling, 115; House Sparrow, 327; Cardinal, 22; Slate-colored Junco, 21; Am. Tree Sparrow, 6; Song Sparrow, 44. **Total,** 25 species; 1063 individuals.—Chas. H. Kuehnle, Paul F. Kuehnle.

198. Cadiz, Ohio (northwest and southwest of Cadiz within a 6-mile radius, covering the same territory as in past 50 years, gradually enlarged by motor facilities; open country 50%, roadside thickets 10%, deciduous woods 15%, fields 15%, yards and gardens 10%).—Dec. 24; 8 a.m. to 5 p.m. Cloudy, bright to heavy winter overcast; temp. 40° in morning, dropping to 25° by evening; wind 10-25 m.p.h., heavy gusts, open country, ground bare to 6-in. crusted snow in woods. Five observers, together most of time. Total party-hours, 33 (21 on foot, 12 by car); total party-miles, 21 (6 on foot, 15 by car). Red-tailed Hawk, 1; Sparrow Hawk, 7; Bob-white tracks; Mourning Dove, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 10; Blue Jay, 4; Am. Crow, 15; Carolina Chickadee, 22; Tufted Titmouse, 12; White-breasted Nuthatch, 9; Carolina Wren, 3 (singing); Mockingbird, 2; Common Starling, 44; Myrtle Warbler, 1; House Sparrow, 191; Eastern Meadowlark, 1; Cardinal, 18; Eastern Towhee, 1; Slate-colored Junco, 29; Am. Tree Sparrow, 25; Song Sparrow, 8. **Total,** 24 species; 410 individuals. (Seen Dec. 26: Am. Robin, 50; Pileated Woodpecker, 1; Ruffed Grouse, 1; Dec. 29: Eastern Bluebird, 1.)—Harry B. McConnell, John G. Worley, David E. Worley, Mary K. Ronsheim, Harold Haverfield. **(Mr. McConnell's 50th consecutive bird count from the same territory. He was also out for the first one but failed to send it in.)**

199. Canton, Ohio (seven-mile radius with Canton as center; parks and suburbs 30%, woods 25%, open farmland 30%, pasture land 15%).—Dec. 24; 8 a.m. to 5:30 p.m. Clear a.m., snow p.m.; temp. 38° to 28°; wind W to E, 5-12 m.p.h.; most ground covered 2-4-in. soft old snow. Eight observers in 6 parties. Total party-hours, 20 (17 on foot, 3 by car); total party-miles, 30 (20 on foot, 10 by car). Cooper's Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 48; Barred Owl, 1; Hairy Woodpecker, 5; Downy

Woodpecker, 7; Blue Jay, 11; Black-capped Chickadee, 8; Tufted Titmouse, 6; White-breasted Nuthatch, 5; Golden-crowned Kinglet, 2; Common Starling, 115; House Sparrow, 135; Cardinal, 27; Am. Goldfinch, 6; Slate-colored Junco, 26; Am. Tree Sparrow, 48; Chipping Sparrow, 2; White-throated Sparrow, 1; Song Sparrow, 5. **Total,** 21 species; 462 individuals.—Eleanor Anderson, J. G. Biers, C. F. Kaufaultz, Grover Keplinger, Howard Braun, C. L. Riley, Mr. and Mrs. D. R. Pratt (compiler).

200. Cincinnati, Ohio (southeastern corner of Hamilton Co. and southwestern corner of Clermont Co.; woods and fields in both counties, confluence of Little Miami and Ohio rivers, Remington gravel pits, Ohio River below Twelve Mile Creek; open farmland 30%, deciduous thickets 25%, deciduous woods 20%, coniferous woodland 5%, riverbanks 18%, ponds 2%).—Dec. 31; 7 a.m. to 5:30 p.m. Clear; temp. 21° to 38°; wind NNW, 0-13 m.p.h.; ponds and creeks frozen, rivers mostly open. Forty-seven observers in 7 parties. Total party-hours, 83 (58 on foot, 25 by car); total party-miles, 340 (84 on foot, 256 by car). Great Blue Heron, 4; Mallard, 95; Black Duck, 52; Wood Duck, 2; Canvas-back, 2; Lesser Scaup, 4; Am. Golden-eye, 48; Buffle-head, 10; Am. Merganser, 9; Cooper's Hawk, 8; Red-tailed Hawk, 14; Red-shouldered Hawk, 10; Rough-legged Hawk, 3; Marsh Hawk, 9; Sparrow Hawk, 25; Bob-white, 120 (9 coveys); Am. Coot, 1; Killdeer, 7; Herring Gull, 1; Mourning Dove, 300; Barn Owl, 4; Screech Owl, 3; Barred Owl, 8; Short-eared Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 132; Red-bellied Woodpecker, 65; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 17; Downy Woodpecker, 231; Eastern Phoebe, 1; Horned Lark, 59 (Prairie, 55; Northern, 4); Blue Jay, 68; Am. Crow, 5617 (4500 est., 1117); Carolina Chickadee, 389; Tufted Titmouse, 276; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 1; Brown Creeper, 35; Winter Wren, 6; Carolina Wren, 113; Mockingbird, 23; Catbird, 1; Am. Robin, 691; Eastern Bluebird, 107; Golden-crowned Kinglet, 26; Cedar Waxwing, 128; Common Starling, 3354 (2800 est., 554); Myrtle Warbler, 113; House Sparrow, 1065; Eastern Meadowlark, 73; Red-winged Blackbird, 8; Cardinal, 698; Purple Finch, 7; Am. Goldfinch, 155; Eastern Towhee, 31; Slate-colored Junco, 325; Am. Tree Sparrow, 306; Field Sparrow, 11; White-crowned Sparrow, 18; White-throated Sparrow, 5; Swamp Sparrow, 10; Song Sparrow, 522; Lapland Longspur, 1. **Total,** 64 species (1 additional subspecies); about 15,451 individuals. (Seen in area Dec. 30: Pied-billed Grebe, 1; Sharp-shinned Hawk, 1; Ring-billed Gull, 1).—G. D. Acomb, G. R. Austing, M. L. Bagel, W. Benway, E. Braunecker, H. Brinkman, E. Brockschlager, R. J. Brock, Mr. and Mrs. J. R. Bunnell, R. W. Carpenter, C. Chambers, H. Field, P. Feist, W. W. Goodpaster, J. Gottschang, F. Harbaum, P. X. Hellman, E. Kemsies, J. Lytle, D. Mansfield, K. H. Maslowski, L. McIntyre, W. H. Mers, G. Moerlein, M. Naver, Jr., F. R. Neuffer, R. L. Oliver, W. Randle, H. Roach, S. M. Rowe, S. M. Rowe, Jr., Mr. and Mrs. S. E. Sjodahl, V. C. Sloane, A. Stephenson, B. Stephenson, H. Stephenson, G. Symons, Rev. C. J. Taylor, Mr. and Mrs. J. W. Taylor, W. I. Upson, P. Vitz, D. Werner, Maj. T. E. Weston, J. Zimmerman.

201. Cleveland, Ohio (Gordon Park east to mouth of Chagrin River along Lake Erie shore; inland to Shaker Lakes, Gates Mills, North Chagrin reservation, and Willoughby; lake shore 15%, beech-maple climax forest 20%, open fields 20%, town suburbs 25%, thickets 15%, swamps 5%).—Dec. 30; 7:35 a.m. to 5 p.m. Overcast; temp. 23° to 33°; wind S to SE, 5 m.p.h.. Twenty-two observers in 13 parties. Total party-hours, 72 (27 on foot, 45 by car); total party-miles 300½ (57½ on foot, 243 by car). Great Blue Heron, 2; Mallard, 1; Black Duck, 30; Lesser Scaup, 64; Am. Golden-eye, 31; Buffle-head, 4; Ruddy Duck, 1; Am. Merganser, 6; Red-breasted Merganser, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 1; Bob-white, 36; Ring-necked Pheasant, 3; Herring Gull, 250 (est.); Ring-billed Gull, 100 (est.); Bonaparte's Gull, 4; Mourning Dove, 8; Horned Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 7; Pileated Woodpecker, 5; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 21; Downy Woodpecker, 99; Blue Jay, 156; Am. Crow, 8; Black-capped Chickadee, 190; Tufted Titmouse, 61; White-breasted Nuthatch, 74; Brown Creeper, 12; Winter Wren, 3; Carolina Wren, 1; Am. Robin, 89; Hermit Thrush, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 9; Cedar Waxwing, 103; Common Starling, 460; Myrtle Warbler, 1; House Sparrow, 963; Eastern Meadowlark, 1; Cardinal, 196; Evening Grosbeak, 1; Pine Siskin, 8; Am. Goldfinch, 39; Eastern Towhee, 8; Slate-colored Junco, 151; Am. Tree Sparrow, 28; Song Sparrow, 23; Lapland Longspur, 2. **Total,** 56 species; about 3291 individuals.—L. P. Barbour, Mrs. R. S. Booth, Vera Carrothers, Mrs. George Cottrell, C. T. Downer, Elsie Erickson, Adela Gaede, C. F. Hamann, Constance Hamann, U. A. Hengesbach, R. W. Hill, Lucille Mannix, Ronald Marvin, Mary Oliver, Margaret Perner, Jerry Piskac, Marjorie Ramisch (compiler), Bryan Sherwin, Mrs. Francis Sherwin, Paul Smith, Clark Tefft, M. B. Walters (Kirtland Bird Club).

202. Cuyahoga Falls, Ohio (same area as in past years, including Akron, Silver Lake, Stow, Kent, and Brimfield; deciduous woods, valleys, and ravines 57%, city and suburban parks 20%, open fields 15%, golf course 5%, lake 3%, 4 feeding stations).—Dec. 31; 7:30 a.m. to 4:30 p.m. Scattered clouds with increasing cloudiness; temp. 22° to 35° F.; slight breeze from S.W; Summit Lake and Cuyahoga River open, all other water

frozen; 3-5-in. snow on ground. Twenty-eight observers in 16 parties. Total party-hours, 105; total party-miles, 134 (51 on foot, 83 by car). Pied-billed Grebe, 16; Great Blue Heron, 1; Black Duck, 52; Wood Duck, 1; Redhead, 8; Lesser Scaup, 8; Am. Golden-eye, 17; Ruddy Duck, 10; Hooded Merganser, 4; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 2; Bob-white, 130; Ring-necked Pheasant, 27; Am. Coot, 18; Herring Gull, 4; Mourning Dove, 35; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 13; Hairy Woodpecker, 14; Downy Woodpecker, 92; Blue Jay, 105; Am. Crow, 25; Black-capped Chickadee, 144; Tufted Titmouse, 94; White-breasted Nuthatch, 66; Brown Creeper, 3; Winter Wren, 5; Catbird, 1; Am. Robin, 8; Eastern Bluebird, 4; Golden-crowned Kinglet, 11; Cedar Waxwing, 86; Common Starling, 2800; House Sparrow, 488; Eastern Meadowlark, 1; Red-winged Blackbird, 1; Purple Grackle (Bronzed), 16; Cardinal, 179; Am. Goldfinch, 41; Eastern Towhee, 2; Slate-colored Junco, 332; Tree Sparrow, 264; Song Sparrow, 37. **Total,** 45 species; 5169 individuals.—Mrs. Roy Albertson, Mrs. Edward Cousins, Ralph Dexter, Daniel Faulkner, Mr. and Mrs. Laurence Fulmer, Mrs. Lyle Ganyard, Carlton Gibbs, Mrs. E. R. Gibson, Stanley Guise, Mrs. Louis Greene, Mrs. Donato Internoscia, John Lieftinck, Mrs. John Liska, Mrs. Kenneth Nichols, Marie Roetzel, Fred Ruckman, Fred Smith, Lula Smith, Martin Smith, Mrs. W. L. Snyder, Neil Starr, Fred Steiger, James Thorp, Mr. and Mrs. Ward VanOrman, Mr. and Mrs. George Wiley (Cuyahoga Falls-Akron Audubon Club).

203. Dayton, Ohio (nearly same areas as in last 21 years, within 7½-mile radius, centering at Triangle Park; woodland 25%, stream banks 35%, fields 25%, wooded residential 10%, evergreen plantation 5%).—Dec. 31; 6:30 a.m. to 6 p.m. Clear; temp. 14° to 3°; wind SSE, av. 5 m.p.h.; ground frozen hard; partly snow-covered; ponds icebound, some ice in streams. Thirty-four observers in 9 parties. Total party-hours, 74 (54 on foot, 12 by car; 8 at feeding stations); total party-miles, 259 (62 on foot, 197 by car). **Pied-billed Grebe,** 2; **Great Blue Heron,** 3; **Black-crowned Night Heron, 5;** Mallard, 134; Black Duck, 163; Lesser Scaup, 3; **Am. Golden-eye, 70;** Hooded Merganser, 3; Am. Merganser, 21; **Red-breasted Merganser,** 3; Goshawk, 2 (C.O.H. & B.H.S.); Sharp-shinned Hawk, 1; Cooper's Hawk, 6; **Red-tailed Hawk,** 9; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Marsh Hawk, 2; **Sparrow Hawk,** 15; **Ruffed Grouse,** 1 (B.J.B. & E.S.B.); **Bob-white,** 159; **Ring-necked Pheasant,** 55; Killdeer, 1; Mourning Dove, 71; **Barn Owl,** 5; Screech Owl, 4; Barred Owl, 1; **Short-eared Owl,** 6; **Saw-whet Owl,** 1 (C.O.H.; H.T. & M.A.); Belted Kingfisher, 3; Yellow-shafted Flicker, 22; Red-bellied Woodpecker, 6; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 26; Downy Woodpecker, 120; Horned Lark, 5; Blue Jay, 43; Am. Crow, 646; Black-capped Chickadee, 11; Carolina Chickadee, 142; Tufted Titmouse, 112; White-breasted Nuthatch, 34; Brown Creeper, 27; Winter Wren, 3; Carolina Wren, 15; **Mockingbird,** 11; Am. Robin, 27; Eastern Bluebird, 22; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 7 (C.O.H.); Cedar Waxwing, 30; **Common Starling, 15,391;** Myrtle Warbler, 6; House Sparrow, 461; Eastern Meadowlark, 4; Purple Grackle, 1; Cardinal, 360; Am. Goldfinch, 26; Eastern Towhee, 4; Slate-colored Junco, 188; Am. Tree Sparrow, 89; Field Sparrow, 3; Song Sparrow, 201. **Total,** 62 species; 18,812 individuals.—M. Anthony, F. Betz, H. Bielstein, L. Binkley, B. J. Blincoe (compiler); B. J. Blincoe, Jr., E. Blincoe, L. Blincoe, S. J. Blincoe, C. Breish, N. Bright, E. Cooling, D. Eikenbary, G. Feight, C. Hadeler, C. Hess, D. Hess, C. O. Horst, W. Horst, P. Knoop, W. Lakin, J. Lambert, D. Lee, D. Light, R. Longley, J. Moore, R. Rose, E. Ruhl, B. H. Smith, E. Smith, G. Smith, A. Sollenberger, H. Tweedie, A. Tuhey (Dayton Audubon Society).

204. Delaware, Ohio (approximately same route as last year; open farmland 35%, deciduous woods 25%, stream banks and bottomlands 20%, roadsides and hedges 20%).—Dec. 26; 8 a.m. to 4 p.m. Snow in a.m., clear in p.m.; temp. 20° to 18°; wind N, 8-12 m.p.h.; ground covered with 4-in. snow, most water frozen. Fourteen observers in 7 parties. Total party-hours, 54 (all on foot); total party-miles, 58. Am. Golden-eye, 6; Hooded Merganser, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Rough-legged Hawk, 10; Marsh Hawk, 8; Sparrow Hawk, 8; Bob-white, 124 (62 est., 62); Ring-necked Pheasant, 58; Mourning Dove, 50; Yellow-shafted Flicker, 15; Red-bellied Woodpecker, 13; Hairy Woodpecker, 7; Downy Woodpecker, 56; Horned Lark, 15; Blue Jay, 38; Am. Crow, 6; Carolina Chickadee, 64; Tufted Titmouse, 85; White-breasted Nuthatch, 47; Brown Creeper, 24; Winter Wren, 2; Carolina Wren, 5; Mockingbird, 2; Golden-crowned Kinglet, 2; Common Starling, 232 (154 est., 78); Myrtle Warbler, 1; House Sparrow, 554 (510 est., 44); Rusty Blackbird, 2; Cardinal, 105; Slate-colored Junco, 107; Am. Tree Sparrow, 162 (128 est., 34); Swamp Sparrow, 10; Song Sparrow, 132. **Total,** 34 species; about 1957 individuals.—G. W. Cox, P. B. Dunham, T. C. Dunham, B. A. Foote, J. L. Goble, S. L. Hipsher, H. A. Lamey, J. H. Lancaster, J. C. Moser, J. L. Shover, W. D. Stull, D. A. Suthers, R. A. Suthers, M. L. Yeagle.

205. Hamilton, Ohio (edge of city to Miami River, south to Symmes Creek and return; open farmland 40%, wood patches 40%, weedy fields 20%).—Dec. 23; 8:30 a.m. to 4:30 p.m. Temp. 18° to 36°; wind 25 m.p.h.; ground partly covered with snow. Two observers in 1 party. Total party-hours, 8; total party-miles, 24.—Great Blue Heron, 1; Mallard, 5; Black Duck, 13; Greater Scaup, 3; Am. Golden-eye, 2; Am. Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Marsh Hawk, 9; Sparrow Hawk, 5; Bob-white, 13; Mourning Dove, 79;

Screech Owl, 1; Belted Kingfisher, 2; Red-shafted Flicker, 10; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 19; Horned Lark, 7; Blue Jay, 5; Am. Crow, 38; Carolina Chickadee, 45; Tufted Titmouse, 39; Brown Creeper, 16; Carolina Wren, 6; Mockingbird, 2; Am. Robin, 3; Eastern Bluebird, 11; Ruby-crowned Kinglet, 2; Common Starling, 800; House Sparrow, 315; Red-winged Blackbird, 1; Cardinal, 80; Slate-colored Junco, 30; Am. Tree Sparrow, 58; Song Sparrow, 70. **Total,** 37 species; 1698 individuals.—Frank Harbaum, Willis Harbaum.

206. Lakewood, Ohio (along Lake Erie from Edgewater Park to the mouth of Rocky River; Rocky River Metropolitan Park from Lorain Bridge to mouth of river; lake-front and city park on lake-front 38%, Rocky River Valley—a flood plain forest—62%).—Dec. 31; 8:30 a.m. to 5:30 p.m. Completely overcast; temp. 30° to 34°; wind W, 1-7 m.p.h.; ground covered by 2-4-in. snow; almost all water frozen. Two observers in 1 party. Total party-hours, 9 (8 on foot, 1 by bus); total party-miles, 10 (10 on foot). Lesser Scaup, 18; Am. Golden-eye, 2; Am. Merganser, 1; Cooper's Hawk, 2; Ring-necked Pheasant, 4; Herring Gull, 95; Ring-billed Gull, 50; Downy Woodpecker, 10; Blue Jay, 27; Am. Crow, 4; Black-capped Chickadee, 12; Tufted Titmouse, 7; White-breasted Nuthatch, 7; Brown Creeper, 1; Carolina Wren, 2; Am. Robin, 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 40; Common Starling, 24; House Sparrow, 40; Cardinal, 15; Purple Finch, 3; Am. Goldfinch, 1; Slate-colored Junco, 6; Am. Tree Sparrow, 15; Song Sparrow, 2. **Total,** 26 species; 390 individuals.—Florence M. Gray, Myron Owen Davies (Cleveland Bird Club).

207. Lancaster, Ohio (outskirts of Lancaster, same route as previous 26 years; deciduous woods 54%, stream banks 21%, open fields 25%).—Dec. 24; 7:45 a.m. to 4:30 p.m. Partly cloudy; temp. 40° to 34°; wind NW to W, 25-35 m.p.h.; ponds frozen over, streams open, ground clear except on N slopes which were covered with month-old snow. Ten observers in 3 parties. Total party-hours, 50 (49 on foot, 1 by car); total party-miles, 70 (60 on foot, 10 by car). Red-tailed Hawk, 1; Sparrow Hawk, 3; Bob-white, 25; Ring-necked Pheasant, 3; Mourning Dove, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 35; Blue Jay, 32; Am. Crow, 1; Carolina Chickadee, 43; Tufted Titmouse, 21; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 2; Brown Creeper, 6; Carolina Wren, 14; Am. Robin, 63; Eastern Bluebird, 3; Golden-crowned Kinglet, 11; Common Starling, 177; Myrtle Warbler, 3; House Sparrow, 147; Eastern Meadowlark, 30; Cardinal, 128; Am. Goldfinch, 5; Eastern Towhee, 1; Slate-colored Junco, 57; Am. Tree Sparrow, 29; Song Sparrow, 29. **Total,** 31 species (additional subspecies); 905 individuals. —Florence Branum, Doris Beesley, James L. Goslin, Chas. R. Goslin (compiler), Louis Kitz, Jerome N. Miller, P. J. Miller, Philip Schaeffer, Chas. H. Shaw, Edward Work.

208. Mohican State Park (Ashland Co.) Ohio (along slopes of Mohican River Valley from east edge of Park 3½ miles to NW corner of park; also farms between Perrysville and Pleasant Hill Reservoir; about 50% hardwood forest, 30% pine-hemlock forest, 20% open fields. This park includes Ohio's largest remaining stand of white pine).—Dec. 23; 7:30 a.m. to 5:30 p.m. Partly cloudy to overcast; temp. 28° to 33°; wind SW, max. 20 m.p.h.; Pleasant Hill Reservoir frozen over. Mohican River free of ice. Two observers in 2 parties. Total party-hours, 20 (18 on foot, 2 by car); total party-miles, 30 (10 on foot, 20 by car). Mallard, 40±; Black Duck, 130±; Am. Golden-eye, 3; Red-tailed Hawk, 1; Bald Eagle, 1; Bob-white, 1; Ring-necked Pheasant, 1; Am. Coot, 1; Gull (sp.), 1; Mourning Dove, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 1; Pileated Woodpecker, 5; Red-bellied Woodpecker, 7; Hairy Woodpecker, 8; Downy Woodpecker, 6; Blue Jay, 19; Am. Crow, 2; Black-capped Chickadee, 25; Tufted Titmouse, 8; White-breasted Nuthatch, 9; Brown Creeper, 4; Carolina Wren, 9; Am. Robin 412±; Golden-crowned Kinglet, 20; Common Starling, 75±; House Sparrow, 220; Cardinal, 29; Purple Finch, 26; Pine Siskin, 6; Am. Goldfinch, 3; Slate-colored Junco, 49; Am. Tree Sparrow, 36; Song Sparrow, 1. **Total,** 32 species; 1207 individuals. All ducks recorded along swift, clear stream in forest.—James A. Bruce, Paul A. Stewart.

209. Oxford, Ohio (7½-mile radius centering in the village of Oxford and including Hueston Woods State Park, Oxford Airport; woodland 25%, stream border 25%, fields 45%, town suburbs 5%).—Dec. 29; 8 a.m. to 5 p.m. Clear; temp. 22° to 39°; no wind; snow patches in woods; fresh water frozen except riffles. Twelve observers in 3 parties. Total party-hours, 24 (18 on foot, 6 by car); total party-miles, 66 (11 on foot, 55 by car). Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 4; Marsh Hawk, 6; Sparrow Hawk, 6; Bob-white, 25; Ring-necked Pheasant, 11; Mourning Dove, 26; Screech Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 23; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 8; Downy Woodpecker, 54; Blue Jay, 6; Am. Crow, 66; Carolina Chickadee, 78; Tufted Titmouse, 59; White-breasted Nuthatch, 11; Brown Creeper, 1; Winter Wren, 1; Bewick's Wren, 2; Carolina Wren, 14; Short-billed Marsh Wren, 1; Mockingbird, 5; Am. Robin, 53; Eastern Bluebird, 11; Golden-crowned Kinglet, 9; Water Pipit, 1; Common Starling, 235; Am. Pipit, 1; House Sparrow, 285; Eastern Meadowlark, 7; Cardinal, 124; Eastern Towhee, 2; Slate-colored Junco, 120; Am. Tree Sparrow, 58; White-crowned Sparrow, 1;

Song Sparrow, 60. **Total,** 41 species; 1395 individuals.—Dr. and Mrs. R. A. Hefner, Earl Beaver, Charles H. Frie, Walter Gillespie, Paul Hersey, Don Weisman, David Barr, Patricia Irvin, Ray Bourne, Harold Fritts, George S. Fichter.

210. Portsmouth, Ohio (deciduous forests 30%, riverbanks 30%, open fields 20%, thickets along streams 20%).—Dec. 26; 8 a.m. to 5 p.m. Claudy; temp. 22° to 21°; wind NW, 4-6 m.p.h.; light snow cover. Twelve observers in 3 parties. Total party-hours, 96 (70 on foot, 26 by car); total party-miles, 125 (35 on foot, 90 by car). Canada Goose, 250 (est.); Snow Goose, 1; Mallard, 15; Black Duck, 119; Pintail, 3; Lesser Scaup, 7; Am. Golden-eye, 5; Hooded Merganser, 1; Am. Merganser, 6; Cooper's Hawk, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 3; Marsh Hawk, 5; Sparrow Hawk, 12; Bob-white, 33; Killdeer, 3; Herring Gull, 73; Ring-billed Gull, 57; Mourning Dove, 44; Screech Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 7; Hairy Woodpecker, 3; Downy Woodpecker, 16; Horned Lark, 50; Blue Jay, 23; Am. Crow, 4000 (est.); Carolina Chickadee, 44; Tufted Titmouse, 21; White-breasted Nuthatch, 7; Brown Creeper, 6; Winter Wren, 2; Carolina Wren, 12; Am. Robin, 209; Eastern Bluebird, 3; Golden-crowned Kinglet, 7; Common Starling, 1000 (est.); Myrtle Warbler, 2; House Sparrow, 87; Eastern Meadowlark, 1; Red-winged Blackbird, 88; Rusty Blackbird, 26; Purple Grackle (Bronzed), 194; Cardinal, 220; Purple Finch, 5; Am. Goldfinch, 41; Eastern Towhee, 14; Slate-colored Junco, 411; Am. Tree Sparrow, 73; White-crowned Sparrow, 4; White-throated Sparrow, 26; Fox Sparrow, 5; Song Sparrow, 114. **Total,** 57 species; 7380 individuals. (Seen Dec. 25: 2 Ruffed Grouse).—George R. Barry, George R. Barry, Jr., Conrad Roth, Floyd B. Chapman, Earl C. Hayes, Fred L. Kirn, Tom L. Gallaugher, Gusty Hall, William Gilbert, I. H. Weaver, James Donaldson, Paul L. Doyle.

211. Salem, Ohio (along Middle Fork of Little Beaver Creek from New Albany to Lisbon and from Concord to Salem, Watercress Marsh, around Guilford Lake; open marsh and farmland 30%, wooded valley 70%).—Jan. 1; 8:30 a.m. to 5:30 p.m. Mostly clear; temp. 8° to 42°; wind SW, 1-3 m.p.h.; 4 to 8-in. snow, marshes and lake frozen, streams mostly frozen. Nine observers in 4 parties. Total party-hours, 29 (25 on foot, 4 by car); total party-miles, 50 (33 on foot, 17 by car). Great Blue Heron, 1; Mallard, 2; Black Duck, 12; Cooper's Hawk, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 1; Bob-white, 7 (1 covey); Ring-necked Pheasant, 4; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 5; Hairy Woodpecker, 10; Downy Woodpecker, 64; Horned Lark, 4 (Prairie); Blue Jay, 45; Am. Crow, 165; Black-capped Chickadee, 43; Tufted Titmouse, 98; White-breasted Nuthatch, 45; Brown Creeper, 13; Winter Wren, 8; Carolina Wren, 5; Am. Robin, 4; Golden-crowned Kinglet, 39; Common Starling, 27; **Myrtle Warbler,** 1 (feeding on poison ivy berries—R.O.M.); House Sparrow, 80; Cardinal, 112; Purple Finch, 1; Am. Goldfinch, 61; Easter Towhee, 12; Slate-colored Junco, 48; Am. Tree Sparrow, 55; Field Sparrow, 13; Swamp Sparrow, 3; Song Sparrow, 59. **Total,** 41 species; 1068 individuals. (Seen in area Dec. 26: Mourning Dove, 1; Eastern Meadowlark, 2; Dec. 27: Rough-legged Hawk, 1; Screech Owl, 1; Dec. 30: Yellow-bellied Sapsucker, 1. Note scarcity of Tree Sparrows.)—William C. Baker (compiler), Glendon Garlow, Paul Goff, Mr. and Mrs. Albert T. Hartley, Edward Kirk, Raymond O. Marshall, Paul A. Stewart, Vernon Weingart.

212. Steubenville (Jefferson Co.), Ohio (deciduous woods 30%, swampy bottomland 20%, open bottomland 20%, farmland 20%, bushy fields 10%).—Dec. 31; 8 a.m. to 5 p.m.; temp. 26° to 28°; wind W, 0-7 m.p.h. Nine observers in 3 parties. Total party-hours, 24 (on foot); total party-miles, 24 (on foot). Red-tailed Hawk, 4; Sparrow Hawk, 1; Ruffed Grouse, 1; Screech Owl, 2; Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 5; Red-bellied Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 41; Am. Crow, 8; Carolina Chickadee, 138; Tufted Titmouse, 49; White-breasted Nuthatch, 10; Brown Creeper, 5; Winter Wren, 3; Carolina Wren, 9; Am. Robin, 2; Hermit Thrush, 1; Eastern Bluebird, 6; Golden-crowned Kinglet, 4; Cedar Waxwing, 15; Common Starling, 24; House Sparrow, 228; Cardinal, 76; Am. Goldfinch, 9; Eastern Towhee, 1; Slate-colored Junco, 26; Am. Tree Sparrow, 7; Field Sparrow, 1; White-throated Sparrow, 4; Song Sparrow, 51. **Total,** 33 species; 741 individuals. (One cardinal was an albino.)—Albert Tenney, Dave Patton, Keith Buchanan, Chas. Brook, Clinton Banks, Richard Banks, Mr. and Mrs. Harry Graul, Don Rarey.

213. Sugar Grove, Ohio. (same locality as last 6 years, about 850 acres in the unglaciated Appalachian Plateau; Hocking River and Clear Creek; bottoms and adjacent uplands; open bottomlands 42%, mixed upland woodland 19%, hemlock forest 13%, old-field pine scrub 7%, mixed scrub, 6%, southern yellow pine woods 5%, village 5%, country estate 3%).—Dec. 31; 7:30 a.m. to 5 p.m. Cloudy in a.m., clear in p.m.; temp. 18° to 29°; wind W, 3-5 m.p.h.; ground bare in sunny places, 3-6-in. snow in shade. Thirty-three observers in 5 parties, these in turn subdividing. Total party-hours, 138 (on foot); total party-miles, 137 (on foot). Great Blue Heron, 1; Mallard, 5; Black Duck, 15; Wood Duck, 2; Turkey Vulture, 56; Black Vulture, 11; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Sparrow Hawk, 2; Ruffed Grouse, 13; Bob-white, 34 (2 coveys);

Ring-necked Pheasant, 1; Mourning Dove, 134; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 18; Pileated Woodpecker, 13; Red-bellied Woodpecker, 41; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 14; Downy Woodpecker, 135; Blue Jay, 57; Am. Crow, 5; Carolina Chickadee, 405; Tufted Titmouse, 167; White-breasted Nuthatch, 59; Red-breasted Nuthatch, 8; Brown Creeper, 28; Winter Wren, 17; Carolina Wren, 50; Am. Robin, 38; Hermit Thrush, 22; Eastern Bluebird, 58; Golden-crowned Kinglet, 85; Ruby-crowned Kinglet, 1; Common Starling, 904; Myrtle Warbler, 18; House Sparrow, 1333; Eastern Meadowlark, 3; Red-winged Blackbird, 1; Cardinal, 489; Purple Finch, 4; Pine Siskin, 5; Am. Goldfinch, 151; Eastern Towhee, 83; Slate-colored Junco, 528; Am. Tree Sparrow, 121; Field Sparrow, 1; White-throated Sparrow, 1; Swamp Sparrow, 1 (C.R.G.); Song Sparrow, 336; Snow Bunting, 1 (I. K.). **Total,** 55 species; 5494 individuals.—D. Blyth, A. C. Borror, D. J. Borror, A. H. Claugus, Hal DeSelm, G. Gilbert, C. R. Goslin, D. Harlor, J. C. Harlor, L. E. Hicks, J. H. Jenkins, Winn Jones, W. K. Jones, I. Kassoy, A. S. Kiefer, L. Kitz, J. Knierim, E. Limes, R. W. McCormick, H. Paul, E. Postle, J. W. Price, C. Reese, I. H. Rickly, C. H. Shaw, D. M. Smith, H. W. Schuer, J. S. Thomas, E. S. Thomas (compiler), W. A. Tucker, G. S. Wolfram, E. Work (Wheaton Club).

214. Toledo, Ohio (4 miles of Swan Creek Valley, 5 miles of Ottawa River Valley, isolated forest east of city all in Ohio and Erie Marsh, Michigan; cultivated fields 3%, cattail marsh, 10%, open deciduous forest 87%).—Dec. 24; 8 a.m. to 5 p.m. Partly cloudy; temp. 34° to 24°; wind W, max. 46 m.p.h.; ground covered with 1 to 4-in. snow. Twenty observers in 4 parties. Total party-hours, 28 (26 on foot, 2 by car); total party-miles, 49 (39 on foot, 10 by car). Horned Grebe, 1; Great Blue Heron, 1; Black-crowned Night Heron, 1; Blue Goose, 1; Mallard, 328; Black Duck, 36; Lesser Scaup, 1; Am. Golden-eye, 31; Am. Merganser, 13; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Broad-winged Hawk, 1 (LK., S.H., R.V.G.—observers familiar with Broad-wings) [no further details—Ed.]; Bald Eagle, 2; Marsh Hawk, 3; Sparrow Hawk, 6; Bob-white, 20; Ring-necked Pheasant, 164; Am. Coot, 1; Herring Gull, 186; Mourning Dove, 95; Screech Owl, 5; Horned Owl, 4; Barred Owl, 3; Yellow-shafted Flicker, 9; Hairy Woodpecker, 4; Downy Woodpecker, 44; Blue Jay, 88; Am. Crow, 59; Black-capped Chickadee, 25; Tufted Titmouse, 52; White-breasted Nuthatch, 26; Brown Creeper, 16; Winter Wren, 1; Carolina Wren, 1; Am. Robin, 1; Hermit Thrush, 1; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 1; Common Starling, 136; Myrtle Warbler, 1; House Sparrow, 330; Red-winged Blackbird, 56; Cardinal, 77; Purple Finch, 6; Am. Goldfinch, 36; Eastern Towhee, 2; Slate-colored Junco, 124; Am. Tree Sparrow, 349; Swamp Sparrow, 2; Song Sparrow, 65; Snow Bunting, 8. **Total,** 51 species; 2442 individuals. Broad-winged Hawk by I.K.; S.H., and R.V.G. They are familiar with Broad-wings.—Herbert Dehring, James Dehring, Wm. Shupe, Laurel Van Camp, Louis Klewer, Seymour Holloway, Robert Van Gundy, Harold Mayfield, Russell Burgett, James Nessle, Fred Flickinger, Ernest Weaver, John Weaver, John Boehm, Lawrence Hiett, James Hallauer, Joe Wernert, Larry Shaffer, Bruce Bailey, Louis W. Campbell (Toledo Naturalists' Association).

215. Utica, Ohio (South Lane Farm of 342 acres upland, two miles west of village; route 62 southwest by car 4 miles, county road 19 west 4 miles by car; beech-maple climax forest 55%, open farmland 42%, brushy thickets 2%, lowland 1%).—Dec. 30; 7:30 a.m. to 5:20 p.m. Overcast, hazy; temp. 19° to 35°; wind W, 0-5 m.p.h.; ground covered with 3-in. crusted snow, fresh water frozen. Five observers in 4 parties. Total party-hours, 37 (28½ on foot, 8½ by car); total party-miles, 81½ (45½ on foot, 36 by car). Cooper's Hawk 1; Red-tailed Hawk, 10; Red-shouldered Hawk 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 1 (fresh tracks); Bob-white, 68 (3 covies); Ring-necked Pheasant, 1 (fresh tracks); Mourning Dove, 95; Barn Owl, 1; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 34; Pileated Woodpecker, 2; Red-bellied Woodpecker, 32; Red-headed Woodpecker, 3; Hairy Woodpecker, 14; Downy Woodpecker, 44; Horned Lark, 5; Blue Jay, 26; Am. Crow, 1; Carolina Chickadee, 40; Tufted Titmouse, 83; White-breasted Nuthatch, 29; Red-breasted Nuthatch, 1; Brown Creeper, 16; Winter Wren, 2; Carolina Wren, 7; Am. Robin, 162 (150±50, 12); Eastern Bluebird, 13; Golden-crowned Kinglet, 19; Cedar Waxwing, 8; Common Starling, 320 (300±50, 20); House Sparrow, 342 (300±50, 42); Red-winged Blackbird, 2; Cardinal, 85; Purple Finch, 1; Am. Goldfinch, 1; Slate-colored Junco, 61; Am. Tree Sparrow, 97; Song Sparrow, 50; Snow Bunting, 3. **Total,** 44 species; about 1691 individuals.—James Bruce, A. H. Claugus, Henry W. Schuer, C. R. Wagner, Mrs. C. R. Wagner (compiler).

216. Van Wert, Ohio (same area as previously and woods and farmland along Town Creek from corporation to Route 118; open farmland 58%, deciduous swamp forest 40%, farm yards 2%).—Dec. 31; 7:45 a.m. to 5 p.m. Clear; temp. 8° to 30°; wind S-SSW, 3-8 m.p.h.; ground covered with 3-6-in. snow, creeks frozen. Ten observers in 2 parties. Total party-hours, 70 (62 on foot, 8 by car); total party-miles, 128 (72 on foot, 56 by car). Cooper's Hawk, 1; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 2; Bob-white, 16; Ring-necked Pheasant, 3; Mourning Dove, 11; Barred Owl, 1; Yellow-shafted Flicker, 7; Hairy Woodpecker, 8; Downy Woodpecker, 16; Horned Lark, 8; Blue Jay, 7; Am. Crow, 3; Black-capped Chickadee, 2; Tufted Titmouse, 21; White-breasted Nuthatch, 17; Brown Creeper, 3; Golden-crowned

Kinglet, 2; Common Starling, 30; Myrtle Warbler, 1; House Sparrow, 82; Eastern Meadowlark, 17; Cardinal, 17; Vesper Sparrow, 1; Slate-colored Junco, 40; Am. Tree Sparrow, 36; Song Sparrow, 28. **Total,** 28 species; 383 individuals.—George Brooks, Arthur S. Brooks (compiler), E. E. Good, R. M. Good, Richard Good, Jr., Robert Good, Ellyn Feigert, E. C. Feigert, Donald D. Shaw, William F. Wydallis (Upper Maumee Valley Naturalist's Club).

217. Warren (Trumbull Co.), Ohio (same area as previously, plus new area at Lordstown, Cortland, Arboretum, Champion Hts., and Garland Farm; pasture 10%, plowed land 10%, town suburbs 40%, deciduous woodlots and farm 30%, marsh 10%).—Dec. 30; 7 a.m. to 5:30 p.m. Frost, fog till noon; temp. 23° to 32°; wind less than 1 m.p.h.; 5-in. fresh snow over old 29-in. drifts; all fresh water frozen over. Fifty-eight observers in 7 parties. Total party-hours, 152 (147 on foot, 5 by car); total party-miles, 166 (76 on foot, 90 by car). Canada Goose, 150; Marsh Hawk, 4; Sparrow Hawk, 4; grouse, 2; Bob-white, 123; Ring-necked Pheasant, 25; Am. Woodcock, 7; Mourning Dove, 22; Screech Owl, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 43; Blue Jay, 173; Am. Crow, 14; Black-capped Chickadee, 118; Tufted Titmouse, 47; White-breasted Nuthatch, 79; Brown Creeper, 10; Am. Robin, 2; Hermit Thrush, 5; Eastern Bluebird, 2; Golden-crowned Kinglet, 7; Cedar Waxwing, 9; Common Starling, 294; House Sparrow, 1202; Cardinal, 100; Pine Siskin, 20; Am. Goldfinch, 13; Eastern Towhee, 1; Slate-colored Junco, 117; Am. Tree Sparrow, 126; Song Sparrow, 79; Snow Bunting, 70. **Total,** 35 species; 2883 individuals.—Mrs. William Frick, Mr. and Mrs. Chas. Howard, Mrs. F. R. Woodward, Mrs. Ben White, Mrs. W. O. Kaufman, Mrs. J. G. Hickcox, Mary Knapp, H. C. MacCombs, Mrs. Thad Wanamaker, Mrs. Harry Wilder, Mrs. Chas. Miller, Mrs. Horace Fox, Opal Briley, Mrs. Robert Gibson, Dean R. Wilson, Robert Shank, Helen MacConnell, Mrs. James MacKeon, Mrs. W. T. Smith, Mrs. J. Rowbottom, Jean Miller, Arlene Cryrnoc, Sandra Zacaroff, Mrs. Fred Smith, Jr., Mr. and Mrs. James Wilson, Joan and David Wilson, Sol Gifford, Mrs. Chas. Crowford, and Scout Troop No. 43 (7), Mrs. J. P. Hogan, Mr. and Mrs. M. Knight, Mr. and Mrs. George Clark, Mrs. Dean Williams, Bob MacClaren, Richard White, Caroline Rowland, William Brown, Paul Meigs, Donald Hollis, Almon Rood, Mrs. Ralph Wise, Mrs. Russel Brumbaugh, Mrs. J. A. Wineland, Mrs. J. Cratsley, Georgene Smith, Mrs. Dean R. Wilson, Mrs. Russell Warren.

218. Wooster, Ohio (Killbuck Valley from Kauke Station north to Overton including some adjacent upland areas and adjoining wooded ravines; cattail-willow marshes 25%, alder swamps 10%, swamp forest 20%, upland deciduous forest 15%, mixed deciduous-hemlock forest 10%, roadsides and cultivated fields 20%).—Jan. 1; 8:30 a.m. to 5 p.m. Clear; temp. 15° to 34°; wind SSW, max. 16 m.p.h.; snow 4 to 6 in. deep. Preceding week had two days with min. temps. of 22° and 24°; all still water and streams frozen over. Two observers in 1 party. Total party-hours, 12 (10 on foot, 2 by car); total party-miles, 52 (12 on foot, 40 by car). Red-shouldered Hawk, 4; Marsh Hawk, 3; Ring-necked Pheasant, 9; Mourning Dove, 23 (2 flocks); Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Pileated Woodpecker, 2; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 18; Blue Jay, 10; Am. Crow, 1; Black-capped Chickadee, 17; Tufted Titmouse, 8; White-breasted Nuthatch, 9; Brown Creeper, 4; Winter Wren, 2; Carolina Wren, 5; Eastern Bluebird, 9; Golden-crowned Kinglet, 17; Common Starling, 33; Myrtle Warbler, 2; House Sparrow, 24; Eastern Meadowlark, 31 (2 flocks); Cardinal, 38; Am. Goldfinch, 2; Slate-Colored Junco, 10; Am. Tree Sparrow, 71; Swamp Sparrow, 5; Song Sparrow, 58. **Total,** 31 species; about 435 individuals.—James A. Bruce, Lois James.

219. Youngstown, Ohio (7½ mile radius circle centering on Mineral Ridge, Ohio; same area as last 52 years [some counts not published]; open land and pasturage 60%, wooded area 30%, lakes and marshes 10%).—Dec. 31; 8 a.m. to 6 p.m.; temp. 10° to 28°; wind W, 15 m.p.h.; 6 to 20-in. packed snow, lakes frozen. Thirty observers in 8 parties. Total party-hours, 60 (50 on foot, 10 by car); total party-miles, 300 (50 on foot, 250 by car). Mallard, 14 (sitting on ice); Black Duck, 613 (sitting on ice); Am. Golden-eye, 15; Cooper's Hawk, 3; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Bald Eagle, 2; Marsh Hawk, 2; Sparrow Hawk, 13; Ruffed Grouse, 2; Bob-white, 63; Ring-necked Pheasant, 107; Mourning Dove, 11; Barn Owl, 1; Screech Owl, 3; Horned Owl, 1; Snowy Owl, 1; Barred Owl, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 13; Pileated Woodpecker, 6; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 2; Hairy Woodpecker, 40; Downy Woodpecker, 114; Horned Lark, 51; Blue Jay, 185; Am. Crow, 1321; Black-capped Chickadee, 164; Tufted Titmouse, 148; White-breasted Nuthatch, 110; Red-breasted Nuthatch, 1; Brown Creeper, 20; Winter Wren, 6; Carolina Wren, 2; Am. Robin, 8; Eastern Bluebird, 2; Golden-crowned Kinglet, 53; Cedar Waxwing, 30; Common Starling, 916; House Sparrow, 1206; Eastern Meadowlark, 19; Baltimore Oriole, 1; Purple Grackle, 1; Cardinal, 243; Pine Siskin, 13; Am. Goldfinch, 41; Eastern Towhee, 25; Slate-colored Junco, 176; Am. Tree Sparrow, 295; Song Sparrow, 58; Snow Bunting, 20. **Total,** 53 species; 6162 individuals. Oriole seen at feeding station for preceding 3 weeks by many observers. Snowy Owl here for three weeks, seen at close range by most of the observers who made the trip to see it. (Seen Jan. 1: Ruddy Duck, 1. One single Vir-

ginia Rail has been kept alive and well by Ferris for 3 weeks.)—J. Barrow, J. Beeghly, W. Brown, F. Clarke, E. Dressel, F. Ferris, W. Findley, A. Hartley, H. Heimerdinger, H. Johnson, E. Kirk, R. Marshall, V. McLaughlin, L. Miller, D. Prest, L. Vickers, W. Richter, W. Williams, E. Minich, M. Cook, C. Turner, H. Culbertson, W. Berman, G. Bjorkland (Grant M. Cook Bird Club and guests).

220. Athens, W. Va. (secondary road from Athens to Elgood to Glenlyn, Va., along New River [the section of Va. forming a notch in W. Va. between Mercer and Monroe Cos.], U. S. Route 219 to Lindside, W. Va.; along lower end of Bluestone Reservoir in southern Summers Co., W. Va.; farm and pasture land 40%, weed fields 25%, woods 25%, brushy river and reservoir banks 10%).—Dec. 30; 7:30 a.m. to 5:30 p.m. Foggy and hazy all day, temp. 38° at start, 40° at return; calm; light snow melting during day: ice in streams, shore ice on reservoir. Two observers, mostly together. Total hours, 9; total miles, 75 (69 by car, 6 on foot). Mallard, 3; Black Duck, 24; Am. Golden-eye, 8; Hooded Merganser, 5; Red-breasted Merganser, 1; Turkey Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 5; Mourning Dove, 71; Yellow-shafted Flicker, 2; Pileated Woodpecker, 4; Red-bellied Woodpecker, 1; Downy Woodpecker, 4; Eastern Phoebe, 1; Blue Jay, 3; Am. Crow, 35; Carolina Chickadee, 21; Tufted Titmouse, 19; White-breasted Nuthatch, 2; Winter Wren, 1; Carolina Wren, 14; Mockingbird, 3; Am. Robin, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 3; Loggerhead shrike (migrant), 4; Common Starling, 88; House Sparrow, 69; Eastern Meadowlark, 33; Red-winged Blackbird, 8; Cardinal, 45; Am. Goldfinch, 3; Eastern Towhee, 3; Slate-colored Junco, 54; Am. Tree Sparrow, 37; White-throated Sparrow, 29; Song Sparrow, 27. **Total,** 38 species; 639 individuals.—Clarice and P. C. Bibbee.

221. Charleston, W. Va. (within 7½-mile radius of the mouth of Elk River, including Kanawha River Valley and adjacent hills and valleys from Marmet to Institute, Elk River from its mouth to Big Chimneys, Kanawha County Airport and Coonskin Hollow Recreational Area, South Hills to Kanawha State Forest, Tyler Mountain, Edgewood Country Club and Kanawha City; open farmland and grassland 14%, woodland 43%, wooded bottom-land and stream bank 43%).—Jan. 1; 6:45 a.m. to 5:30 p.m. Overcast, poor visibility-ground haze until 1 p.m.; temp. 17° to 39°; wind W, none to slight breeze; ground bare; all still water areas frozen over. Twenty-five observers in 13 parties. Total party-hours, 79½ (61 on foot, 4½ by car, 14 at feeders); party-miles, 112 (51 on foot, 61 by car). Cooper's Hawk, 2; Red-shouldered Hawk, 1; Pigeon Hawk, 1 (R.K[illegible] further detail—Ed.]; Sparrow Hawk, 6; R[illegible] Grouse, 2; Bob-white, 44 (4 coveys); Killdeer, 10; Am. Woodcock, 1 (G.H.); Wilson's Snipe, 2; Mourning Dove, 8; Screech Owl, 2; Barred Owl, 1; Yellow-shafted Flicker, 12; Pileated Woodpecker, 2; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 33; Eastern Phoebe, 1; Horned Lark, 40; Blue Jay, 16; Am. Crow, 14; Carolina Chickadee, 196; Tufted Titmouse, 111; White-breasted Nuthatch, 40; Brown Creeper, 8; Winter Wren, 4; Carolina Wren, 62; Catbird, 1 (F.M.J.); Brown Thrasher, 1 (F.M.J.); Am. Robin, 35; Hermit Thrush, 5; Eastern Bluebird, 72; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 3; Cedar Waxwing, 5; Common Starling, 2454 (2000 est., 454); Myrtle Warbler, 49; House Sparrow, 496; Eastern Meadowlark, 6; Brown-headed Cowbird, 2; Cardinal, 214; Pine Siskin, 18 (J.H.); Am. Goldfinch, 148; Eastern Towhee, 181; Savannah Sparrow, 1; Slate-colored Junco, 290; Am. Tree Sparrow, 51; Field Sparrow, 167; White-crowned Sparrow, 99; White-throated Sparrow, 115; Swamp Sparrow, 23; Song Sparrow, 339. **Total,** 53 species; about 5429 individuals.—Sybil Ball, Lucy Barber, Sarah Barber, Malcolm Crooks, Rachel Ferguson, Randolph Hall, Mr. and Mrs. John Handlan, C. O. Handley, Sr. (compiler), John M. Handley, Mrs. Nell Hinshelwood, Geo. Hurley, Frank M. Johnson, Truth and Ura Keely, Dr. and Mrs. Robert Ketchum, Gladys Murrey, Mrs. Ralph Norwood, Elinor Sims, Dr. and Mrs. Herbert Tag, Mrs. W. W. Trent, John Williamson, Mike Williamson (Charleston Chapter, Brooks Bird Club).

222. Huntington, W. Va. (7½-mile radius centering at Huntington Galleries Sanctuary; same area as 1940 and subsequent counts; open fields; deciduous woodlands, mixed conifers, river, ponds, sanctuary, parks, etc.)—Dec. 31; 4 a.m. to 5:30 p.m. Cloudy in a.m., clearing during day; temp. 20° to 30°; wind NW, slight; ground bare, partly frozen, ice on small brooks. Twenty-three observers in 9 parties. Total party-hours, 59 (49 on foot, 10 by car); total party-miles, 213 (48 on foot, 165 by car). Pied-billed Grebe, 3; Great Blue Heron, 2; Mallard, 1; Black Duck, 15; Canvasback, 3; Lesser Scaup, 9; Am. Golden-eye, 6; Buffle-head, 3; Am. Merganser, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 7; Bob-white, 16; Am. Coot, 4; Killdeer, 21; Am. Woodcock, 1; Wilson's Snipe, 1; Mourning Dove, 1; Barn Owl, 1; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 14; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 39; Eastern Phoebe, 1; Horned Lark, 30; Blue Jay, 72; Am. Crow, 1239; Carolina Chickadee, 215; Tufted Titmouse, 128; White-breasted Nuthatch, 16; Brown Creeper, 6; Winter Wren, 8; Carolina Wren, 62; Mockingbird, 14; Brown Thrasher, 1; Am. Robin, 27; Hermit Thrush, 5; Eastern Bluebird, 37; Golden-crowned Kinglet, 8; Cedar Waxwing, 3; Loggerhead Shrike, 1; Common Starling, 200; Myrtle Warbler, 78;

House Sparrow, 98; Eastern Meadowlark, 5; Red-winged Blackbird, 10; Cardinal, 255; Am. Goldfinch, 186; Eastern Towhee, 158; Vesper Sparrow, 2; Slate-colored Junco, 205; Am. Tree Sparrow, 44; Field Sparrow, 14; White-crowned Sparrow, 10; White-throated Sparrow, 218; Lincoln's Sparrow, 1; Song Sparrow, 134. **Total,** 61 species; 3655 individuals. (Seen in area Dec. 28: Common Yellowthroat; Dec. 30: Common Loon, Horned Grebe, Canada Goose, Blue-winged Teal.)—Mr. and Mrs. George H. Gunnoe, Dorothy Fisher, Howell and Hugh Land, William Vickery, Olive Mortison, Louis Garreth, Mrs. W. A. Coakley, Julia Kerr, Rachael Wilson, Mr. and Mrs. Marcus Crenshaw, Virginia Cavendish, Elizabeth Risen, Mary Resener, Mrs. Ira Kail, Mrs. H. C. Hale, Nell Rose Hale, James Shires, Mr. and Mrs. Thomas Olsen, R. M. Edeburn (compiler).

223. Morgantown, W. Va. (7-mile radius from State Dairy Farm on edge of Morgantown, and including suburbs, Fields Park, Cheat Lake, and intervening farmlands, fallow fields, and forestlands; pasture 20%, plowed land 5%, fallow fields 15%, suburbs 10%, deciduous farm woodlots and forest 30%, water 20%).—Dec. 30; 7:30 a.m. to 6 p.m. Clear; temp. 30° to 50°; no wind; ground partially snow-covered; all water frozen. Seven observers in 3 parties. Total party-hours, 32 (18 on foot, 14 by car); total party-miles, 105 (30 on foot, 75 by car). Black Duck, 250 (est.); Sparrow Hawk, 4; Ruffed Grouse, 2; Bob-white, 10; Ring-necked Pheasant, 1; Killdeer, 4; Screech Owl, 4; Horned Owl, 2; Yellow-shafted Flicker, 10; Pileated Woodpecker, 7; Red-bellied Woodpecker, 9; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 9; Downy Woodpecker, 45; Horned Lark, 58; Blue Jay, 18; Am. Crow, 131; Black-capped Chickadee and Carolina Chickadee, 58 (mainly Carolinas); Tufted Titmouse, 77; White-breasted Nuthatch, 17; Brown Creeper, 7; Winter Wren, 1; Carolina Wren, 35; Mockingbird, 1; Am. Robin, 43; Hermit Thrush, 5; Eastern Bluebird, 22; Golden-crowned Kinglet, 5; Common Starling, 619; Myrtle Warbler, 8; House Sparrow, 365; Eastern Meadowlark, 1; Cardinal, 139; Am. Goldfinch, 34; Eastern Towhee, 11; Slate-colored Junco, 138; Am. Tree Sparrow, 79; Field Sparrow, 5; White-crowned Sparrow, 20; Song Sparrow, 41. **Total,** 41 species; 2301 individuals.—I. B. Boggs, Maurice Brooks, Fred Brooks, Foster Brown, Wayne Davis, Marion Lee Hundley, Chris Weiland.

224. Mt. Lookout (Nicholas Co.), W. Va. (same area as in 1941 and later counts; deciduous and hemlock woodland 74%, pine grove 1%, farmland 25%).—Dec. 28; 7:45 a.m. to 5:15 p.m. Clear; temp. 18° to 36°; wind S, 0-5 m.p.h.; some snow in woods. Two observers in 2 parties. Total party-hours, 14 (on foot); total party-miles, 17 (on foot). Sparrow Hawk, 1; Ruffed Grouse, 2; Yellow-shafted Flicker, 6; Pileated Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 20; Am. Crow, 30; Carolina Chickadee, 28; Tufted Titmouse, 48; White-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 3; Bewick's Wren, 1; Carolina Wren, 17; Mockingbird, 2; Am. Robin, 118; Hermit Thrush, 4; Eastern Bluebird, 12; Golden-crowned Kinglet, 30; Common Starling, 10; House Sparrow, 30; Purple Grackle, 3; Cardinal, 70; Purple Finch, 1; Am. Goldfinch, 19; Eastern Towhee, 84; Slate-colored Junco, 87; Am. Tree Sparrow, 55; Field Sparrow, 24; White-throated Sparrow, 280; Song Sparrow, 39. **Total,** 33 species; 1038 individuals. (Seen in area Dec. 23: Cooper's Hawk, 1; Eastern Meadowlark, 12; Dec. 29: Horned Owl, 1; Killdeer, 1; Dec. 30: Red-bellied Woodpecker, 2; Jan. 1: Pine Siskin, 200.)—W. C. Legg, Alton McClung.

225. Wheeling, W. Va. (7½-mile radius centering on Oglebay Park, and including parts of the Ohio River, Wheeling Creek; open fields 20%, deciduous woods 30%, coniferous woods 10%, along streams 10%, roadsides 20%, town suburbs 10%).—Dec. 31; 8 a.m. to 5 p.m. Cloudy but bright; temp. 26° to 36°; no wind; ground partly covered with 2-6-in. crusted snow. Sixteen observers in 6 parties. Total party-hours, 52 (46 on foot, 6 by car); total party-miles, 122 (70 on foot, 52 by car). Great Blue Heron, 1; Black Duck, 3; Lesser Scaup, 5; Cooper's Hawk, 1; Ruffed Grouse (tracks); Bob-white, 2; Herring Gull, 2; Belted Kingfisher, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 38; Horned Lark, 3; Am. Crow, 118; chickadee (sp.), 131; Tufted Titmouse, 51; White-breasted Nuthatch, 10; Brown Creeper, 13; Carolina Wren, 8; Am. Robin, 2; Eastern Bluebird, 6; Golden-crowned Kinglet, 40; Cedar Waxwing, 2; Common Starling, 294; House Sparrow, 179; Eastern Meadowlark, 1; Cardinal, 104; Am. Goldfinch, 3; Slate-colored Junco, 40; Am. Tree Sparrow, 6; Field Sparrow, 2; Song Sparrow, 9. **Total,** 33 species; 1087 individuals. (Seen in area Dec. 25: Eastern Towhee, 1; Dec. 29: Sparrow Hawk, 1; Dec. 30: Screech Owl, 1 (dead); Yellow-shafted Flicker, 6; Winter Wren, 3; Ruby-crowned Kinglet, 1.)—Dorothy Broemson, Delores Broemson, Laurel Kreig, Helen Norteman, Janet Vanscoy, George Breiding, Terry Roberts, Don Boles, Jack Lash, Bill Wylie, Mickey Mackay, Chuck Conrad, Mr. and Mrs. Tom Smith, O. Masteller, S. Freeman (Brooks Bird Club).

226. Bowling Green, Ky. (College Farm, Chaney and McElroy Farms, Three Springs, and Mouth of Gasper; stream banks 25%, open woods 25%, farmlands 50%).—Dec. 23; 6:30 a.m. to 4:30 p.m. Clear; temp. 30° to 52°; wind SW, 8-12 m.p.h.; ground bare; ponds frozen over; streams open. Four observers in 2 parties. Total party-hours, 18 (12 on foot, 6 by car); total party-miles, 60 (12 on foot, 48 by car). Great Blue Heron, 1; Mallard, 1; Turkey Vulture, 1; Black Vulture, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered

Hawk, 3; Rough-legged Hawk, 3; Sparrow Hawk, 3; Killdeer, 14; Wilson's Snipe, 1; Mourning Dove, 15; Belted Kingfisher, 2; Yellow-shafted Flicker, 15; Pileated Woodpecker, 8; Red-bellied Woodpecker, 13; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 12; Eastern Phoebe, 3; Horned Lark, 119; Blue Jay, 34; Am. Crow, 506; Carolina Chickadee, 36; Tufted Titmouse, 57; Winter Wren, 3; Bewick's Wren, 2; Carolina Wren, 39; Mockingbird, 14; Am. Robin, 15; Eastern Bluebird, 31; Golden-crowned Kinglet, 7; Water Pipit, 5; Loggerhead Shrike, 7; Common Starling, 483; Myrtle Warbler, 5; House Sparrow, 112; Eastern Meadowlark, 47; Purple Grackle, 1; Cardinal, 143; Purple Finch, 10; Am. Goldfinch, 77; Eastern Towhee, 27; Savannah Sparrow, 6; Slate-colored Junco, 74; Am. Tree Sparrow, 12; Field Sparrow, 28; White-crowned Sparrow, 98; White-throated Sparrow, 21; Swamp Sparrow, 23; Song Sparrow, 32. **Total,** 52 species; 2181 individuals. (Seen in area Dec. 20: Bobwhite, Brown Creeper, Black Duck; Dec. 21: Barred Owl, Hermit Thrush; Dec. 22: White-breasted Nuthatch.)—Frank Ewing, L. Y. Lancaster, J. R. Whitmer, Gordon Wilson.

227. Danville, Ky. (main and connecting roads in Boyle County; farm pasture land and deciduous farm woodlands 80%, deciduous wooded hills 15%, thickets and overgrown fencerows 5%).—Dec. 29; 7 a.m. to 4:30 p.m. Cloudy; temp. 33° to 38°; wind SW to W, 5 m.p.h.; all ponds and parts of streams frozen. Five observers in 2 parties. Total party-hours, 15 (by car); total party-miles, 65 (by car). Turkey Vulture, 35; Black Vulture, 6; Sharp-shinned Hawk, 2; Red-tailed Hawk, 11; Pigeon Hawk, 1; Sparrow Hawk, 12; Killdeer, 8; Wilson's Snipe, 24; Belted Kingfisher, 4; Pileated Woodpecker, 2; Red-bellied Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 16; Horned Lark, 27; Blue Jay, 2; Am. Crow, 178; Carolina Chickadee, 37; Tufted Titmouse, 25; Carolina Wren, 12; Mockingbird, 5; Eastern Bluebird, 7; Common Starling, 205; House Sparrow, 76; Eastern Meadowlark, 16; Rusty Blackbird, 22; Cardinal, 53; Am. Goldfinch, 35; Eastern Towhee, 2; Slate-colored Junco, 2; Field Sparrow, 2; White-crowned Sparrow, 12; White-throated Sparrow, 10; Fox Sparrow, 1; Song Sparrow, 24. **Total,** 34 species; 880 individuals.—Mrs. McBrayer Moore, Mrs. Rodes-Read, John Cheek, Mr. and Mrs. Scott Glore, Jr.

228. Kentucky Woodlands National Wildlife Refuge and lower Kentucky Lake Region, Ky. (7½-mile radius extending from the west side of Kentucky Lake at Jonathan Creek eastward across the lake and Kentucky Woodlands Refuge to the Cumberland River, northward to state highway 58 and southward to the Turkey Creek Road; fields 60%, woodlands 30%, lake shore 10%).—Dec. 27; 7 a.m. to 6 p.m. Bright and cloudy; temp. 11° to 30°; wind W, 4-6 m.p.h.; ground frozen and ice covering all shallow water. Eight observers in 4 parties. Total party-hours, 27 (24 on foot, 3 by car); total party-miles, 68 (14 on foot, 54 by car). Double-crested Comorant, 11; Great Blue Heron, 3; Canada Goose, 700 (est.); Mallard, 6000 (est.); Black Duck, 3000 (est.); Ring-necked Duck, 27; Turkey Vulture, 5; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Sparrow Hawk, 1; Turkey, 7; Herring Gull, 6; Barred, Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Pileated Woodpecker, 3; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 21; Blue Jay, 30; Am. Crow, 27; Carolina Chickadee, 30; Tufted Titmouse, 31; White-breasted Nuthatch, 10; Winter Wren, 1; Carolina Wren, 11; Mockingbird, 2; Brown Thrasher, 1; Am. Robin, 10; Eastern Bluebird, 3; Loggerhead Shrike, 1; Common Starling, 11; House Sparrow, 53; Eastern Meadowlark, 2; Cardinal, 220 (200 est., 20); Am. Goldfinch, 32; Eastern Towhee, 23; Savannah Sparrow, 1; Slate-colored Junco, 336 (200 est., 136); Am. Tree Sparrow, 1; Field Sparrow, 3; White-crowned Sparrow, 1; White-throated Sparrow, 95; Fox Sparrow, 6; Swamp Sparrow, 5; Song Sparrow, 19. **Total,** 48 species; 10,788 individuals.—Eugene Cypert, Jr., Mary Louise Cypert, G. C. Hudson, C. W. Kemper, Kathleen Key, Billy Mann, A. M. Wolfson, Nancy Wolfson.

229. Louisville, Ky. (Ohio River from Louisville to Twelve-mile Island, and inland about 12 miles to Anchorage, Prospect, and Valley; Ohio River and banks 30%, fields and farmlands 25%, brushy fields and new growth 20%, deciduous woodland 25%).—Dec. 23; 5:20 a.m. to 5 p.m. Clear and mild; temp. 26° to 58°; wind S to SW, 12 m.p.h.; ponds and small streams frozen in morning. Twenty-seven observers in 13 parties. Total party-hours, 93 (48 on foot, 27 by car, 18 by boat); total party-miles, 136 (45 on foot, 82 by car, 9 by boat). Great Blue Heron, 1; Canada Goose, 21; Mallard, 86; Black Duck, 169; Redhead, 1; Canvas-back, 4; Lesser Scaup, 60; Am. Golden-eye, 13; Buffle-head, 5; Hooded Merganser, 3; Am. Merganser, 1; Black Vulture, 8; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 18; Marsh Hawk, 7; Sparrow Hawk, 76; Bob-white, 13; Virginia Rail, (D.W.—first Census record); Am. Coot, 8; Killdeer, 8; Herring Gull, 103; Ring-billed Gull, 58; Mourning Dove, 57; Screech Owl,4; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 27; Pileated Woodpecker, 5; Red-bellied Woodpecker, 29; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 9; Downy Woodpecker, 53; Eastern Phobe, 1; Horned Lark, 139; Blue Jay, 21; Am. Crow, 741+; Carolina Chickadee, 105; Tufted Titmouse, 101; White-breasted Nuthatch, 19; Brown Creeper, 16; Winter Wren, 2; Bewick's Wren, 1 (W.S.); Carolina Wren, 69; Mockingbird, 40; Am. Robin, 21; Hermit Thrush, 1; Eastern Bluebird, 48; Golden-crowned Kinglet, 70; Ruby-crowned Kinglet, 2; Cedar Waxwing, 7; Loggerhead Shrike, 1; Common Starling, 900+; Myrtle Warbler, 13; House Sparrow, 312; Eastern Meadowlark, 41; Red-winged Blackbird, 13; Rusty

Blackbird, 3; Purple Grackle, 1; Cardinal, 575; Am. Goldfinch, 91; Eastern Towhee, 42; Vesper Sparrow, 2 (W.S.); Slate-colored Junco, 291; Am. Tree Sparrow, 147; Field Sparrow, 72; White-crowned Sparrow, 10; White-throated Sparrow, 12; Fox Sparrow, 3; Swamp Sparrow, 6; Song Sparrow, 241. **Total,** 73 species; 5050+ individuals. (Seen recently: Pied-billed Grebe, Black-crowned Night Heron, Pintail, Green-winged Teal, Wood Duck, Ring-necked Duck, Turkey Vulture, Bald Eagle, Peregrine Falcon, Short-eared Owl, Palm Warbler, Purple Finch, Oregon Junco—viewed at close range on Dec. 30 by John Flexner, Burt L. Monroe, Sr. and Jr., and Walter Shackleton.)—Leonard Brecher, Floyd Carpenter, Dr. and Mrs. William Clay, Gerald Cole, Carl Cornett, Jacob P. Doughty, Tom Fuller, Paxton Gibbs, Harvey B. Lovell, John Lovell, Burt L. Monroe, Jr., Burt L. Monroe, Sr., Louis Peiper, Evelyn Schneider, Walter H. Shackleton, Mr. and Mrs. P. Shannon, Mabel Slack, Thomas P. Smith, Mrs. F. W. Stamm, Robert Steilberg, Don Summerfield, Mrs. Fan Tabler, Dave Wilson, Virginia Winstanley, Audrey Wright (Beckham Bird Club).

230. Madisonville, Ky. (5½-mile radius, including W. W. Hancock Farm, four lakes at Madisonville, Brown and Frostburg roads, and cattail marsh; open fields 40%, deciduous woodlands and thickets 30%, lake shores 20%, cattail marsh 10%).—Dec. 27; 6:45 a.m. to 4:45 p.m. Partly cloudy; temp. 10° to 30°; wind NE, 8-12 m.p.h.; lakes practically open; frozen last week. One observer. Total hours, 10; total miles, 26 (5 on foot, 21 by car). Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 2; Mourning Dove, 35; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 18; Pileated Woodpecker, 1; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 5; Hairy Woodpecker, 3; Downy Woodpecker, 7; Horned Lark, 2; Blue Jay, 20; Am. Crow, 8; Carolina Chickadee, 12; Tufted Titmouse, 9; White-breasted Nuthatch, 1; Carolina Wren, 7; Mockingbird, 7; Am. Robin, 2; Hermit Thrush, 2; Eastern Bluebird, 32; Golden-crowned Kinglet, 4; Common Starling, 1170; Myrtle Warbler, 7; House Sparrow, 23; Eastern Meadowlark, 75; Cardinal, 50; Am. Goldfinch, 12; Eastern Towhee, 28; Savannah Sparrow, 2; Slate-colored Junco, 57; Am. Tree Sparrow, 58; Field Sparrow, 24; White-crowned Sparrow, 3; White-throated Sparrow, 26; Swamp Sparrow, 7; Song Sparrow, 14. **Total,** 40 species; about 1745 individuals. (Seen Jan. 1: Bewick's Wren, Cedar Waxwing, Loggerhead Shrike, Rusty Blackbird; Dec. 24: Winter Wren.)—James W. Hancock.

231. Otter Creek Park (Meade Co.), Ky. (same territory as last year; deciduous woods 30%, brushy fields 40%, farmland 15%, creek and river bank 15%).—Dec. 31; 9 a.m. to 4:45 p.m. Clear; temp. 19° to 42°; wind 2-5 m.p.h.; ground bare, ponds frozen but rivers open. Six observers in 3 parties. Total party-hours, 17 (15 on foot, 2 by car); total party-miles, 22 (12 on foot, 10 by car). Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 1; Bob-white, 27; Belted Kingfisher, 1; Yellow-shafted Flicker, 31; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 13; Horned Lark, 12; Blue Jay, 9; Am. Crow, 50; Carolina Chickadee, 20; Tufted Titmouse, 11; White-breasted Nuthatch, 4; Brown Creeper, 2; Winter Wren, 3; Carolina Wren, 11; Mockingbird, 14; Am. Robin, 132; Hermit Thrush, 9; Olive-backed Thrush, 2 (Summerfield observed ring around eye clearly and had no doubt of the identification; Mrs. Fred Stamm was equally certain of her bird which was seen independently); Eastern Bluebird, 23; Golden-crowned Kinglet, 24; Ruby-crowned Kinglet; 3; Common Starling, 12; Myrtle Warbler, 16; House Sparrow, 25; Eastern Meadowlark, 3; Cardinal, 52; Purple Finch, 21; Am. Goldfinch, 16; Eastern Towhee, 15; Slate-colored Junco, 103; Am. Tree Sparrow, 53; Field Sparrow, 4; White-crowned Sparrow, 1; White-throated Sparrow, 3; Swamp Sparrow, 4; Song Sparrow, 25. **Total,** 42 species; 767 individuals. (Seen in area Dec. 29: Red-shouldered Hawk, 1.)—Mr. and Mrs. Fred Stamm, Donald Summerfield, Jack Clark, Harvey B. Lovell (compiler), John H. Lovell II.

232. Paducah, Ky. (same territory as in 1946 and 1947, along the Ohio and Tennessee Rivers 5 miles south and 3 miles northwest of Paducah; deciduous woodland 40%, stream banks 10%, brushy fields 30%, open fields and pastures 20%).—Dec. 23; 5:30 a.m. to 4 p.m. Clear; temp. 32° to 62; wind NE, 1-3 m.p.h. One observer. Total hours, 10½ (8½ on foot, 2 by car); total miles, 22 (7 on foot, 15 by car). Pied-billed Grebe, 2; Double-crested Cormorant, 2; Great Blue Heron, 1; Mallard, 2015; Lesser Scaup, 76; Am. Merganser, 18; Turkey Vulture, 5; Black Vulture, 2; Red-tailed Hawk, 1; Bald Eagle, 1; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 8; Bob-white, 6; Am. Coot, 11; Killdeer, 2; Herring Gull, 6; Ring-billed Gull, 40; Mourning Dove, 10; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 2; Blue Jay, 28; Am. Crow, 13; Carolina Chickadee, 10; Tufted Titmouse, 27; White-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 5; Mockingbird, 6; Am. Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 16; Golden-crowned Kinglet, 2; Cedar Waxwing, 4; Loggerhead Shrike, 5; Common Starling 1570; House Sparrow, 34; Eastern Meadowlark, 15; Rusty Blackbird, 123; Purple Grackle, 4; Brown-headed Cowbird, 75; Cardinal, 21; Am. Goldfinch, 8; Eastern Towhee, 15; Slate-colored Junco, 60; Am. Tree Sparrow, 24; Field Sparrow, 2; White-throated Sparrow, 3; Fox Sparrow, 2; Swamp Sparrow, 10; Song Sparrow, 12. **Total,** 58 species; 4335 individuals.—E. Esther Smith.

233. Elizabethton, Tenn. (same area as in past 7 years with center at Valley Forge; Watauga Lake, Watauga and Doe Rivers, Buffalo and Gap Creeks; lake border 5%, stream borders 50%, woodlands 25%, open fields 20%).—Dec. 31; 7:15 a.m. to 5:35 p.m. Cloudy to sunny; temp. 31° to 42°; wind NW, 8-12 m.p.h.; ground bare and fairly dry. Nine observers in 5 parties. Total party hours, 29 (23 on foot, 6 by car); total party-miles, 74 (22 on foot, 52 by car). Pied-billed Grebe, 4; Ring-necked Duck, 1; Lesser Scaup, 5; Am. Golden-eye, 1; Buffle-head, 1; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Sparrow Hawk, 11; Bob-white, 16; Killdeer, 5; Mourning Dove, 23; Screech Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 15; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 12; Eastern Phoebe, 2; Horned Lark (Prairie), 4; Blue Jay, 17; Am. Crow, 131; Carolina Chickadee, 67; Tufted Titmouse, 26; Winter Wren, 1; Carolina Wren, 39; Mockingbird, 15; Am. Robin, 3; Hermit Thrush, 4; Eastern Bluebird, 130; Golden-crowned Kinglet, 15; Cedar Waxwing, 10; Loggerhead Shrike, 6; Common Starling, 408; Myrtle Warbler, 81; House Sparrow, 120; Eastern Meadowlark, 82; Cardinal, 105; Purple Finch, 6; Am. Goldfinch, 101; Eastern Towhee, 13; Slate-colored Junco, 141; Am. Tree Sparrow, 2 (F.B.); Field Sparrow, 20; White-crowned Sparrow, 18; White-throated Sparrow, 79; Fox Sparrow, 8; Song Sparrow, 49. **Total,** 47 species; about 1806 individuals. (Seen in area Dec. 30: Ruby-crowned Kinglet, 1.)—F. W. Behrend, Mr. and Mrs. J. C. Browning, Kenneth Clark, Mr. and Mrs. A. W. Evans, Dr. and Mrs. L. R. Herndon, Richard Hughes (Elizabethton Chapter, Tennessee Ornithological Society).

234. Grassy Bald Mountain and Roan Mountain, Tenn.-N. C. (ascent from crossing of old and new Roan Mountain roads via latter and Heaton Ridge Trail to Grassy Bald Mountain, descending via Jane Bald and Round Bald to Carvers Gap, ascending to Roan High Knob, and returning via Carvers Gap on old Roan Mountain Road to starting point; altitude 3750 to 6300 ft.; deciduous woodland with scattered small briar patches 50%, balds partly overgrown with alder 25%, spruce and fir forest mixed with rhododendron and alder 25%).—Jan. 1; 7:15 a.m. to 5:45 p.m.; slightly cloudy morning to early afternoon, clear and cloudless rest of day, considerable haze in valleys; temp. 27° to 38° to 33°; wind W, 1-18 m.p.h.; trace of snow at lower altitude to 2 ft. of crusted snow in woods on northern slopes, few bare spots on south side only of balds. Total hours, 10½; total miles, 12 (on foot). Downy Woodpecker, 1 (4200 ft.); Horned Lark, 10 (of 5 of them in view on ground at near 6200 ft., 3 were Northern and 2 Prairie); Common Raven, 1 (6200 ft.); Am. Crow, 1 (4900 ft.); Tufted Titmouse, 7 (3900 to 5000 ft.); White-breasted Nuthatch, 2 (4800 ft.); Am. Robin, 1 (5700 ft.); Eastern Bluebird, 1 (5750 ft.); Am. Goldfinch, 1 (5600 ft.); Slate-colored Junco, 2 (3800 to 4800 ft.); Song Sparrow, 2 (1 each at 3750 and 4200 ft.). **Total,** 11 species; 35 individuals. Balsam trees, which bore most abundant crop in preceding winter, entirely devoid of cones. No birds in evidence in coniferous forest from 5500 to 6300 ft.—Fred W. Behrend (Elizabethton Chapter, Tennessee Ornithological Society).

235. Great Smoky Mountains National Park, Tenn.-N. C. (circle of 7½-mile radius centering on Bull Head of Mt. LeComte; towns of Gatlinburg and Pigeon Forge, Tenn., altitude 1200 to 6500 ft.; spruce-fir forest 40%, deciduous forests 25%, farmland and abandoned fields 25%, towns and suburbs 10%).—Dec. 31; 6:30 a.m. to 5:30 p.m. Clear; temp. 15° to 45°; wind variable, 0-25 m.p.h.; 12-in. snow above 6000 ft., ground bare in lowlands. Thirty-four observers in 10 parties. Total party-hours, 81 (69 on foot, 12 by car); total party miles, 247 (74 on foot, 173 by car). Pied-billed Grebe, 2; Hooded Merganser, 1; Turkey Vulture, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 9; Killdeer, 20; Mourning Dove, 10; Screech Owl, 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 4; Pileated Woodpecker, 12; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 13; Eastern Phoebe, 8; Horned Lark, 20; Blue Jay, 15; Common Raven, 7; Am. Crow, 280; Black-capped and Carolina Chickadee, 186; Tufted Titmouse, 24; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 5; Brown Creeper, 7; House Wren, 1; Winter Wren, 13; Bewick's Wren, 1; Carolina Wren, 22; Mockingbird, 10; Am. Robin, 11; Hermit Thrush, 15; Eastern Bluebird, 13; Golden-crowned Kinglet, 54; Ruby-crowned Kinglet, 7; Loggerhead Shrike, 5; Common Starling, 83; Myrtle Warbler, 4; House Sparrow, 47; Eastern Meadowlark, 170; Red-winged Blackbird, 2; Cardinal, 55; Purple Finch, 3; Am. Goldfinch, 160; Red Crossbill, 1; Eastern Towhee, 7; Savannah Sparrow, 5; Vesper Sparrow, 1; Slate-colored Junco, 300 (est. including Carolina Junco); Field Sparrow, 84; White-throated Sparrow, 40; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 114. **Total,** 59 species; 1895 individuals.—Jon Beasley, Mr. and Mrs. Harvey Broome, Leroy Buckner, Richard C. Burns, Mary Ruth Chiles, J. A. Counts, James Counts, Eric Cron, Brockway Crouch, Mr. and Mrs. Robert J. Dunbar, Robert Eslinger, Arthur A. Harris, Robert P. Hornsby, Joseph C. Howell, Philip Huff, William M. Johnson, Mr. and Mrs. H. F. Leonhard, Bonnie McDonald, S. R. Meaker, Andrew J. Meyerriecks, Mr. and Mrs. Robert A. Monroe, Elise Morrell, Robert Scott, William Searle, Edward Shelley, Jr., Louise Shultz, Arthur Stupka, James T. Tanner, Charles Thompson, William Yambert (Tenn. Ornithological Society and National Park Service).

236. Greeneville, Tenn. (circle of 7½-mile radius about Greeneville, including Roaring Fork

Creek, Bluff Mt. at Marvin, Tusculum, Shiloh, Bird's Bridge Road to the Nolichuckey River, White's Mill; stream banks 30%, deciduous woods 25%, open fields and thickets 40%, city suburbs 5%).—Dec. 27. Clear; temp. 22° to 40°; wind NE, 30 m.p.h. Ten observers in 5 parties. Total party-hours, 26; total party miles, 87 (15 on foot, 72 by car). Great Blue Heron, 2; Ring-necked Duck, 1; Am. Merganser, 6; Turkey Vulture, 39; Black Vulture, 16; Red-tailed Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 7; Killdeer, 11; Wilson's Snipe, 2; Mourning Dove, 41; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 9; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 5; Blue Jay, 44; Am. Crow, 16,000; Carolina Chickadee, 49; Tufted Titmouse, 26; White breasted Nuthatch, 3; Winter Wren, 3; Bewick's Wren, 4; Carolina Wren, 48; Mockingbird, 48; Am. Robin, 141; Eastern Bluebird, 71; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Cedar Waxwing, 25; Starling, 144; Myrtle Warbler, 59; English Sparrow, 122; Eastern Meadowlark, 35; Red-winged Blackbird, 2; Purple Grackle, 1; Cardinal, 134; Purple Finch, 7; redpoll (sp.) 1 (observed by Mrs. A.I.) [no further details—Ed.]; Pine Siskin, 6; Am. Goldfinch, 119; Eastern Towhee, 9; Slate-colored Junco, 34; Field Sparrow, 175; White-crowned Sparrow, 71; White-throated Sparrow, 58; Song Sparrow, 92. **Total,** 51 species; about 17,690 individuals.—Mrs. Willis Clemens, Mr. and Mrs. Alfred Irvine, Mr. and Mrs. Richard Nevius, Frank Pickering, C. M. Shanks, Bob White, Mr. and Mrs. J. B. White.

237.—Jackson, Tenn. (Huntersville east to Skyway Golf Course, West Tennessee Experiment Station and South Fork of Forked Deer River bottoms, then southwest to Denmark and north to Cypress Creek bottoms, Spivey's and Harris's Ponds; open fields 40%, roadside thickets 40%, wooded bottomlands 15%, ponds 5%).—Dec. 26; 6:30 a.m. to 4:30 p.m. Clear in early a.m., then cloudy; temp. 55° dropping to 29° (cold front); wind NNW, 1-7 m.p.h. rising to 22 m.p.h. with gusts up to 30 m.p.h. Two observers together. Total hours, 20 (18 on foot, 2 by car); total miles, 81 (11 on foot, 70 in car). Great Blue Heron, 1; Turkey Vulture, 12; Black Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 7; Bob-white, 13; Killdeer, 24; Wilson's Snipe, 4; Mourning Dove, 84; Barn Owl, 1 (clearly seen, at airport); Screech Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 14; Pileated Woodpecker, 3; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 9; Downy Woodpecker, 14; Horned Lark, 131; Blue Jay, 87; Am. Crow, 154; Carolina Chickadee, 34; Tufted Titmouse, 26; White-breasted Nuthatch, 1; Brown Creeper, 3; Winter Wren, 10; Bewick's Wren, 21; Carolina Wren, 22; Long-billed Marsh Wren, 1 (clearly seen, same place as last year); Mockingbird, 37; Brown Thrasher, 1; Am. Robin, 27; Hermit Thrush, 7; Eastern Bluebird, 44; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 4; Water Pipit, 50 (est.); Cedar Waxwing, 40; Loggerhead Shrike, 20; Common Starling, 274; Myrtle Warbler, 8; House Sparrow, 179; Eastern Meadowlark, 158; Red-winged Blackbird, 430 (est.); Rusty Blackbird, 750 (est.); Purple Grackle, 27; Brown-headed Cowbird, 30; Cardinal, 121; Purple Finch, 17; Am. Goldfinch, 14; Eastern Towhee, 22; Savannah Sparrow, 2; Vesper Sparrow, 1; Slate-colored Junco, 170; Field Sparrow, 46; White-crowned Sparrow, 75; White-throated Sparrow, 112; Fox Sparrow, 19; Swamp Sparrow, 1; Song Sparrow, 2. **Total,** 65 species; about 3417 individuals. (Seen in area Dec. 23: Eastern Phoebe, 3; Pied-billed Grebe, 1; Dec. 27: Mallard, 15; Jan. 1: Barred Owl, 2.)—Kilian Roever, Mrs. Wm. Roever.

238. Kingsport, Tenn. (7½-mile radius centering on Pactolus School; Bays Mountain, Pactolus farms, residential district, Colonial Heights area; pasture 50%, wooded land 30%, residential area 20%).—Dec. 31; 8 a.m. to 4:30 p.m. Clear; temp. 33° to 50°; wind N, 0-5 m.p.h.; No snow or ice. Eighteen observers in 6 parties. Total party-hours, 12 (11 on foot, 1 by car); total party-miles, 26 (14 on foot, 12 by car). Turkey Vulture, 1; Cooper's Hawk, 1; Killdeer, 5; Mourning Dove, 6; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 15; Eastern Phoebe, 8; Blue Jay, 33; Am. Crow, 89; Carolina Chickadee, 56; Tufted Titmouse, 19; White-breasted Nuthatch, 14; Brown Creeper, 3; Bewick's Wren, 2; Carolina Wren, 16; Mockingbird, 19; Eastern Bluebird, 21; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 1; Cedar Waxwing, 18; Common Starling, 4000; Pine Warbler, 6; House Sparrow, 20; Eastern Meadowlark, 5; Cardinal, 74; Am. Goldfinch, 39; Eastern Towhee, 21; Savannah Sparrow, 5; Slate colored Junco, 78; Field Sparrow, 61; White-crowned Sparrow, 18; White-throated Sparrow, 40; Song Sparrow, 24. **Total,** 38 species; about 4739 individuals.—H. Young, E. Self, W. C. McHorris (compiler), W. H. McHorris, C. Witsel, R. Gee, W. E. Gift, D. Delius, W. Langstaff, P. Guthrie, F. Guthrie, Mrs. C. A. Harris, Jr., R. Gift, C. Crane, Miss D. Vestal, Mrs. P. Fields, Mrs. R. M. Switzer, R. M. Switzer, Jr.

239. Lebanon, Tenn. (vicinity of Lebanon and southward 9 miles to include Merritt farm and parts of Cedars of Lebanon State Park; open fields 15%, wooded pasture and park lands 25%, cedar thickets 15%, and brushy land 45%, fence rows, ditch banks and roadsides).—Dec. 30; 7 a.m. to 2 p.m. and at 8 p.m. Overcast all day and foggy till 10 a.m.; temp. range, 40-50; no wind; ground bare and not wet. Fifteen observers in 4

parties. Total party-hours, 27 (20 on foot, 7 in car); total party-miles, 48 (8 on foot, 40 by car). Turkey Vulture, 2; Black Vulture, 3; Red-tailed Hawk, 2; Sparrow Hawk, 4; Bob-white, 1; Killdeer, 18; Mourning Dove, 3; Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 9; Pileated Woodpecker, 4; Red-bellied Woodpecker, 8; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 13; Eastern Phoebe, 1; Blue Jay, 3; Am. Crow, 61; Carolina Chickadee, 60; Tufted Titmouse, 50; Brown Creeper, 1; Bewick's Wren, 4; Carolina Wren, 14; Am. Robin, 4; Eastern Bluebird, 20; Golden-crowned Kinglet, 1; Loggerhead Shrike, 2; Common Starling, 160; Myrtle Warbler, 4; House Sparrow, 90; Eastern Meadowlark, 37; Cardinal, 52; Purple Finch, 31; Am. Goldfiinch, 6; Eastern Towhee, 21; Slate-colored Junco, 150; Field Sparrow, 43; White-crowned Sparrow, 10; White-throated Sparrow, 22; Fox Sparrow, 6; Song Sparrow, 39. **Total,** 42 species; about 968 individuals.—Robert C. Bone, Albert F. Ganier (compiler), Loyd Hester, Mary Franc Holloway, Graham Kash, G. R. Mayfield, Dixon Merritt, Harvey Scurlock, Mrs. J. C. Sellars, James Shaw, Jimmy Shaw, Dan Schreiber, Norman and Donald Thomas, Mrs. Henry Waters (Lebanon Chapter, Tenn. Ornith. Society).

240. Memphis, Tenn. (1946 area; wooded bottomlands 30%, deciduous woodlots including city parks 25%, airports, pastures, and old cottonfields 20%, suburban roadsides 25%)—Dec. 24; 6:45 a.m. to 5 p.m. Fair; temp. 43° to 59°; wind W, 3-10 m.p.h. Thirty-one observers in 8 parties. Total party-hours, 92 (82 on foot, 10 by car); total party-miles, 231 (78 on foot, 153 by car). Pied-billed Grebe, 4; Double-crested Cormorant, 84; Great Blue Heron, 3; Little Blue Heron, 1 ad.; Am. Bittern, 1; Mallard, 19; Black Duck, 5; Ring-necked Duck, 2; Lesser Scaup, 2; unidentified ducks, 74; Turkey Vulture, 5; Black Vulture, 10; Cooper's Hawk, 5; Red-tailed Hawk, 17; Red-shouldered Hawk, 6; Marsh Hawk, 4; Sparrow Hawk, 27; Bob-white, 99; Killdeer, 152; Wilson's Snipe, 53; Ring-billed Gull, 212; Mourning Dove, 14; Screech Owl, 1; Horned Owl, 1; Barred Owl, 7; Belted Kingfisher, 5; Yellow-shafted Flicker, 100; Pileated Woodpecker, 1; Red-bellied Woodpecker, 50; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 14; Hairy Woodpecker, 17; Downy Woodpecker, 42; Horned Lark, 3; Blue Jay, 339; Am. Crow, 150; Fish Crow, 22; Carolina Chickadee, 222; Tufted Titmouse, 115; White-breasted Nuthatch, 4; Brown Creeper, 10; House Wren, 2; Winter Wren, 34; Bewick's Wren, 5; Carolina Wren, 149; Mockingbird, 133; Brown Thrasher, 28; Am. Robin, 373; Hermit Thrush, 30; Eastern Bluebird, 86; Golden-crowned Kinglet, 46; Ruby-crowned Kinglet, 22; Water Pipit, 7; Cedar Waxwing, 97; Loggerhead Shrike, 29; Common Starling, 1466; Myrtle Warbler, 68; Common Yellowthroat, 1 ♂; House Sparrow, 273; Eastern Meadowlark, 474; Red-winged Blackbird, 116; unidentified blackbirds, 670; Purple Grackle, 736; Brown-headed Cowbird, 5; Cardinal, 503; Purple Finch, 4; Am. Goldfinch, 222; Eastern Towhee, 117; Savannah Sparrow, 51; Slate-colored Junco, 432; Field Sparrow, 140; White-crowned Sparrow, 15; White-throated Sparrow, 1012; Fox Sparrow, 26; Swamp Sparrow, 138; Song Sparrow, 206; Lapland Longspur, 120. **Total,** 75 species; about 9636 individuals.—Mr. and Mrs. Ben B. Coffey, Jr., Fred Ashley, Cooper and Mrs. Floy Barefield, Mrs. Elizabeth Barton, Thompson Bonner, Robert Burton, Fred Carney, Mary Davant, Dave Dermon, Harry Geyer, Newton Hanson, Helen Inches, Oliver Irwin, Luther F. Keeton, Lawrence Kent, Paul Kisling, Charles Marcus, Jennie May, Charles McPherson, Jr., Jim and Mrs. J. H. McWhorter, Patricia Moore, R. Demett Smith, Bro. Leo Thomas, Maurice and Mrs. M. L. Torti, Plato Tuliatos, Mrs. Rose Wooldridge, Alan Ziegler (Memphis Chapter, Tennessee Ornith. Society).

241. Nashville, Tenn. (chiefly south and west of the city, including 85-acre Radnor Lake and wooded shores, Otter Creek road, Hobbs and Hillsboro roads, Old Hickory Blvd., Edwin and Percy Warner Parks, Highway 100, Pasture, Westmeade, Hillwood, Bosley Spring, Shelby Park and Bell's Bend of Cumberland River from ferry to Robertson Island; open fields 20%, wooded pastures and park lands 25%, dense woods 5%, lake area 5%, and thickets 45%, ditch banks, river bank and roadsides).—Dec. 26; 6:30 a.m. to 4:30 p.m. Clear at start, becoming overcast by noon, then low clouds, windy and very cold toward dusk; temp. 49° at start, 28° at dusk; wind NW, reaching 20 m.p.h. at dusk; ground bare, not wet. Twenty-three observers in 7 parties. Total party-hours, 50 (40 on foot, 10 by car); total party-miles, 94 (30 on foot, 64 in car). Great Blue Heron, 3; Mallard, 12; Black Duck, 4; Gadwall, 2; Ring-necked Duck, 10; Canvas-back, 1; Am. Merganser, 1; Turkey Vulture, 4; Black Vulture, 5; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Sparrow Hawk, 23; Bob-white, 1; Am. Coot, 2; Killdeer, 43; Wilson's Snipe, 3; Mourning Dove, 360 (flocks of 50, 125, 175); Screech Owl, 2; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 19; Pileated Woodpecker, 10; Red-bellied Woodpecker, 13; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 7; Downy Woodpecker, 53; Eastern Phoebe, 1; Horned Lark, 120; Blue Jay, 6; Am. Crow, 165; Carolina Chickadee, 144; Tufted Titmouse, 73; White-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 5; Bewick's Wren, 8; Carolina Wren, 53; Mockingbird, 51; Am. Robin, 225; Eastern Bluebird, 66; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 3; Cedar Waxwing, 3; Loggerhead Shrike, 5; Common Starling, 1300; Myrtle Warbler, 16; House Sparrow, 95; Eastern Meadowlark, 167; Red-winged Blackbird, 35; Brown-headed Cowbird, 1; Cardinal, 230; Purple Finch, 25; Am. Goldfinch, 146; Eastern Towhee, 72; Slate-colored Junco, 291; Field Sparrow, 96; White-crowned Sparrow, 11; White-throated Spar-

row, 116; Swamp Sparrow, 26; Song Sparrow, 97. **Total,** 62 species; about 4263 individuals. (Seen within the week: Water Pipit, 75; Rusty Blackbird, 65; Savannah Sparrow, 2; Fox Sparrow, 1.) —B. H. Abernathy, Tom C. Barr, Jr., Mrs. W. F. Bell, Anne Brinton, William Crouch, D. J. and Fairman Cumming, Albert F. Ganier (compiler), Mrs. E. W. Goodpasture, Wayland Hayes, Helen M. Howell, Amelia (Mrs. F. C.) Laskey, Mr. and Mrs. E. P. and Penelope Mountfort, G. R. Mayfield, George Mayfield, Jr., A. H. Mayfield, James A. Robins, Dan Schreiber, Harvey Scurlock, Robert Sollmann and Norman Thomas (Nashville Chapter, Tenn. Ornith. Society).

242. Reelfoot Lake, Tenn. (essentially the same area as in past 3 years; from Gray's Camp south to Tiptonville and east around lake via Spillway; and Samburg to Walnut Log, including timbered bottomlands on west, and hills on east side of lake; deciduous woodland 45%, open lake 30%, roadside 15%, farmland 10%).—Dec. 30; 5:30 a.m. to 5:30 p.m. Overcast until late p.m.; temp. 30° to 35°; wind S, 0-5 m.p.h.; lake frozen except in open, wind-swept portions. Two observers in 1 party. Total party-hours, 12 (8 on foot, 2 by car, 2 in rowboat); total party-miles, 61 (6 on foot, 50 by car, 5 in rowboat). Pied-billed Grebe, 13; Double-crested Cormorant, 17; Great Blue Heron, 9; Canada Goose, 30; Mallard, 10,000 (est.); Black Duck, 5; Shoveller, 25; Redhead, 18; Ring-necked Duck, 2; Canvas-back, 4; Lesser Scaup, 8; Am. Golden-eye, 12; Buffle-head, 2; Ruddy Duck, 2; Am. Merganser, 12; Red-tailed Hawk, 13; Red-shouldered Hawk, 4; Bald Eagle, 5; Marsh Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 1; Am. Coot, 156; Killdeer, 2; Ring-billed Gull, 14; Mourning Dove, 1; Horned Owl, 4; Barred Owl, 8; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Pileated Woodpecker, 6; Red-bellied Woodpecker, 18; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 8; Am. Crow, 60; Carolina Chickadee, 33; Tufted Titmouse, 21; White-breasted Nutchatch, 3; Winter Wren, 12; Carolina Wren, 15; Long-billed Marsh Wren, 1; Mockingbird, 4; Brown Thrasher, 1; Eastern Bluebird, 4; Ruby-crowned Kinglet, 9; Loggerhead Shrike, 5; Common Starling, 3000 (est.); Myrtle Warbler, 31; House Sparrow, 45; Eastern Meadowlark, 16; Red-winged Blackbird, 2,040,000 [as in the past, the Red-wings were observed streaming into the saw-grass roosting area at Samburg; an estimated 1000/sec. flew past the vantage point for 34 minutes (1000 x 60 x 34=2,040,000)]; Purple Grackle, 900 (est.); Brown-headed Cowbird, 2000 (est.); Cardinal, 67; Am. Goldfinch, 13; Slate-colored Junco, 13; Am. Tree Sparrow, 53; Field Sparrow, 2; White-throated Sparrow, 11; Song Sparrow, 3. **Total,** 61 species; 2,056,732 individuals.—Thomas Walker, Jr., James L. Norman.

243. Birmingham, Ala. (7½-mile radius centering in Mountain Brook, and including Lake Purdy, Oak Mountain, Shades Valley, East Lake, and intervening areas; mixed hardwood-pine woodland 38%, woodland borders 15%, pasture 17%, cultivated fields 11%, pond and lake front 14%, suburban areas 5%).—Jan. 1; 7 a.m. to 5:30 p.m. Overcast; temp. 29° to 54°; wind E to SE, 5-6 m.p.h.; water levels above normal. Eleven observers in 3 parties. Total party-hours, 27 (25 on foot, 2 by car); total party-miles, 43 (15 on foot, 28 by car). Pied-billed Grebe, 16; Great Blue Heron, 2; Mallard, 7; Ring-necked Duck, 140; Canvas-back, 20; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 1; Bob-white, 15; Turkey, 8; Am. Coot, 160; Killdeer, 115; Wilson's Snipe, 13; Ring-billed Gull, 2; Mourning Dove, 6; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 34; Pileated Woodpecker, 7; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 31; Hairy Woodpecker, 5; Downy Woodpecker, 15; Red-cockaded Woodpecker, 5; Eastern Phoebe, 5; Blue Jay, 70; Am. Crow, 36; Carolina Chickadee, 68; Tufted Titmouse, 31; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 26; Brown Creeper, 6; House Wren, 3; Winter Wren, 8; Bewick's Wren, 5; Carolina Wren, 31; Mockingbird, 31; Brown Thrasher, 19; Am. Robin, 37; Hermit Thrush, 6; Gray-checked Thrush, 1 (B.E.D., E.E. and E.M.) [no further details—Ed.]; Eastern Bluebird, 50; Golden-crowned Kinglet, 54; Ruby-crowned Kinglet, 39; Water Pipit, 220; Loggerhead Shrike, 8; Common Starling, 500; Myrtle Warbler, 8; Pine Warbler, 25; House Sparrow, 31; Eastern Meadowlark, 180; Red-winged Blackbird, 67; Rusty Blackbird, 276; Purple Grackle, 15,000; Brown-headed Cowbird, 58; Cardinal, 104; Purple Finch, 15; Pine Siskin, 6; Am. Goldfinch, 88; Eastern Towhee, 95; Savannah Sparrow, 10; Pine-woods Sparrow, 6; Slate-colored Junco, 199; Chipping Sparrow, 79; Field Sparrow, 58; White-throated Sparrow, 169; Fox Sparrow, 4; Swamp Sparrow, 21; Song Sparrow, 34. **Total,** 73 species; about 18,432 individuals.—S. Cobb Barclift, Blanche Chapman, F. Bozeman Daniel, Blanche E. Dean, Elizabeth Eddy, Charles Lawrence, Ed. Mahan, Morton H. Perry (compiler), Millard F. Prather, Ruth Schumacher, Don Thornburgh.

244. Indianola, Miss. (same territory as for many years; wooded and grassy bayou banks 40%, town gardens and parks 10%, cotton fields and meadows 30%, city dump and old brickyard pond 10%, marsh 10%, building activities this year destroyed mile of usual bayou woods).—Dec. 30; 7 a.m. to 5:30 p.m. Cloudy, drizzle; temp. 38° to 42°; wind quiet to slight NW; ground wet and chilled from recent freeze. One observer. Total hours, 9½ (8 on foot, 1½ by car); total miles, 5 (3 on foot, 2 by car). Black Vulture, 11; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Bob-white, 9; Killdeer, 13; Wilson's Snipe, 3; Mourning Dove, 7; Barn Owl, 1; Barred Owl, 1; Belted

Kingfisher, 3; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Wodpecker, 1; Eastern Phoebe, 1; Blue Jay, 13; Brown Creeper, 2; House Wren, 1; Winter Wren, 1; Carolina Wren, 3; Mockingbird, 8; Brown Thrasher, 5; Am. Robin, 3; Golden-crowned Kinglet, 3; Cedar Waxwing, 18; Loggerhead Shrike, 2; Common Starling, 850 (est.); Myrtle Warbler, 6; House Sparrow, 500 (est.); Red-winged Blackbird, 50; Purple Grackle, 15,000 (est.); Cardinal, 40; Purple Finch, 5; Am. Goldfinch, 8; Eastern Towhee, 2; Vesper Sparrow, 1; Am. Tree Sparrow, 3; White-throated Sparrow, 50; Swamp Sparrow, 5; Song Sparrow, 1. **Total,** 43 species; about 16,658 individuals. (Seen in area Dec. 20 after heavy rain storm: Great Blue Heron, 1.)—Townsend Boyer.

245. Moon Lake, Lula, Miss. (same route as 1947-49); lake from shoreline drive 15%, levee 8%, narrow bayous 22%, highway and old cottonfields and pasture 10%, weedy fields 25%, wooded bottoms 20%).—Dec. 30; 7 a.m. to 5:10 p.m. Overcast, slight sleet 10:30 to noon, slight drizzle afterwards; temp. 35° to 41°; no wind; very little waterfowl hunting here recently. Eleven observers in 2 parties. Total party-hours, 17 (9 on foot, 8 by car); total party-miles, 90 (10 on foot, 80 by car). Horned Grebe, 3; Pied-billed Grebe, 10; Double-crested Coromorant, 963 (950±50, 13); Great Blue Heron, 4; Mallard, 50; Black Duck 1; Gadwall, 22; Green-winged Teal, 2; Redhead, 10; Canvas-back, 435; Lesser Scaup, 77; Am. Golden-eye, 14; Buffle-head, 10; Ruddy Duck, 2553 (±50); Hooded Merganser, 94; Am. Merganser, 1; Turkey Vulture, 1; Black Vulture, 56; Red-tailed Hawk, 3; Red-shouldered Hawk, 7; Marsh Hawk, 12; Sparrow Hawk, 6; Bob-white, 4; Am. Coot, 27; Killdeer, 60; Wilson's Snipe, 85; Herring Gull, 1; Ring-billed Gull, 52; Mourning Dove, 210; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 26; Pileated Woodpecker, 2; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 7; Downy Woodpecker, 13; Horned Lark, 87; Blue Jay, 53; Am. Crow, 176 (150±10, 26); Carolina Chickadee, 54; Tufted Titmouse, 2; Brown Creeper, 1; Winter Wren, 4; Carolina Wren, 29; **Short-billed Marsh Wren,** 2; Mockingbird, 21; **Catbird,** 1; Brown Thrasher, 5; Am. Robin, 16; Hermit Thrush, 12; Eastern Bluebird, 2; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 11; Water Pipit, 30; Loggerhead Shrike, 24; Common Starling, 8528 (5000±200, 3528); Myrtle Warbler, 26; House Sparrow, 190; Eastern Meadowlark, 180; Red-winged Blackbird, 2830 (2750±100, 80); Brewer's Blackbird, 5; Purple Grackle, 21,487 (21,200±500, 287); Brown-headed Cowbird, 151 (±10); Cardinal, 260; Purple Finch, 2; Am. Goldfinch, 23; Eastern Towhee, 5; Savannah Sparrow, 284 (250±15, 34); Leconte's Sparrow, 7; Slate-colored Junco, 37; Field Sparrow, 29; White-crowned Sparrow, 23; White-throated Sparrow, 251; Fox Sparrow, 10; Swamp Sparrow, 105; Song Sparrow, 114. **Total,** 78 species; about 39,949 individuals. (One Leconte's Sparrow caught by a shrike was recovered.)—Mr. and Mrs. Ben B. Coffey, Jr., Cooper and Mrs. Floy Barefield, Chas. Atkinson, Harry Geyer, Oliver Irwin, Chas. Marcus, R. Demett Smith, Jr., Alice Smith, Alan Ziegler (Memphis Chapter, Tennessee Ornith. Soc.).

246. Tupelo, Miss. (same area as in 1946-49; open farmlands and Legion Lake 30%, town with U. S. Fish Hatchery, Gum Pond, and old fields nearby 30%, deciduous woods and lake of state park 25%, mixed pines and hardwoods 15%).—Dec. 25; 6:55 a.m. to 5:15 p.m. Fair; temp. 32°; to 62°; wind W, 3-10 m.p.h. Three observers in 1 party. Total party-hours, 10 (7 on foot, 3 by car); total party-miles, 30 (5 on foot, 25 by car). Pied-billed Grebe, 23; Mallard, 21; Ring-necked Duck, 181; Lesser Scaup, 5; Ruddy Duck, 2; Turkey Vulture, 13; Black Vulture, 24; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 3; Bob-white, 10; Am. Coot, 3; Killdeer, 35; Wilson's Snipe, 14; Mourning Dove, 12; Belted Kingfisher, 4; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 5; Eastern Phoebe, 1; Horned Lark, 4; Blue Jay, 31; Am. Crow, 11; Carolina Chickadee, 5; Tufted Titmouse, 6; Brown Creeper, 1; House Wren, 1; Winter Wren, 1; Bewick's Wren, 3; Carolina Wren, 13; Mockingbird, 11; Catbird, 1; Brown Thrasher, 8; Am. Robin, 1; Hermit Thrush, 3; Eastern Bluebird, 7; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 1; Water Pipit, 3; Loggerhead Shrike, 10; Common Starling, 952; Myrtle Warbler, 4; Pine Warbler, 5; House Sparrow, 71; Eastern Meadowlark, 239; Red-winged Blackbird, 200; unidentified blackbirds, 2140 (±200); Purple Grackle, 273; Brown-headed Cowbird, 151; Cardinal, 31; Purple Finch, 2; Am. Goldfinch, 18; Eastern Towhee, 15; Savannah Sparrow, 41; Slate-colored Junco, 59; Field Sparrow, 35; White-crowned Sparrow, 17; White-throated Sparrow, 28; Fox Sparrow, 3; Swamp Sparrow, 19; Song Sparrow, 39. **Total,** 63 species; about 4850 individuals. Catbird (1st record) and House Wren (2nd record) together, too close to use binoculars (1st record of a House Wren inadvertently omitted from the 1949 Count.)—Ben B. Coffey, Jr., R. Demett Smith, Jr., Harry Geyer (Memphis).

247. Ann Arbor, Mich. (Huron River Valley and adjoining areas from 8 miles northwest of town to 4 miles southeast of town, and north 10 miles to Mud Lake; bottomland and river 33%, deciduous woodlots 27%, coniferous plantations 13%, fields and roadsides 22%, tamarack-poison sumac swamp 5%).—Dec. 23; 8 a.m. to 5 p.m. Sky overcast; temp. 27° to 34°; wind W, 3-5 m.p.h.; 4-in. snow; lakes frozen; river half-frozen. Eighteen observers in 2 parties. Total

party-hours, 21 (20 on foot, 1 by car); total party-miles, 45 (20 on foot, 25 by car). Mallard, 1; Black Duck, 104; Am. Golden-eye, 16; Cooper's Hawk, 2; Red-tailed Hawk, 2; Sparrow Hawk, 2; Ruffed Grouse, 2; Ring-necked Pheasant, 34; Herring Gull, 1; Mourning Dove, 11; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 33; Blue Jay, 28; Am. Crow, 4; Black-capped Chickadee, 120; Tufted Titmouse, 14; White-breasted Nuthatch, 27; Brown Creeper, 8; House Wren, 1 [no details—Ed.]; Am. Robin, 14; Hermit Thrush, 4; Golden-crowned Kinglet, 14; Cedar Waxwing, 6; Common Starling, 6 House Sparrow, 92; Cardinal, 20; Am. Goldfinch, 6; Slate-colored Junco, 57; Am. Tree Sparrow, 76; Song Sparrow, 7. **Total,** 34 species; about 721 individuals.—King Adamson, Dorothy Blanchard, Mr. and Mrs. Ralph Branch, Charles Carpenter, David Delzell, Girvin Dunstan, Mrs. Louis Eich, Mr. and Mrs. John Goodman, Wilfred Goodman, Mr. and Mrs. Henry Habgood, Harry Hann (compiler), Keith Taylor, Carlton Wells, Mr. and Mrs. Paul Yambert (Washtenaw Chapter, Michigan Audubon Society).

248. Battle Creek, Mich. (center of town to Gull Lake; Leila Arboretum, Kalamazoo River west of city to Gull Lake and return; Wintergreen Lake; in parts of Calhoun and Kalamazoo counties; open farmland 50%, wooded river and stream banks 30%, other 20%).—Dec. 31; 7:30 a.m. to 4:30 p.m. Clear; temp. 10° to 32°; no wind; ground covered with 6-12-in. snow; lakes frozen. Five observers in 2 parties. Total party-hours, 27 (11 on foot, 16 by car); total party-miles, 106 (9 on foot, 97 by car). Canada Goose, 61; Mallard, 14; Black Duck, 26; Am. Golden-eye, 35; Ruffed Grouse, 1; Bob-white, 7; Ring-necked Pheasant, 13; Herring Gull (?), 1; Mourning Dove, 8; Belted Kingfisher, 2; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 14; Blue Jay, 33; Am. Crow, 4; Black-capped Chickadee, 24; Tifted Titmouse, 7; White-breasted Nuthatch, 6; Brown Creeper, 3; Winter Wren, 1; Am. Robin, 1; Golden-crowned Kinglet, 4; Cedar Waxwing, 96; Common Starling, 46; House Sparrow, 289; Eastern Meadowlark, 3; Cardinal, 26; Purple Finch, 11; Am. Goldfinch, 15; Slate-colored Junco, 54; Am. Tree Sparrow, 54; Song Sparrow, 2. **Total,** 33 species; 865 individuals. (Seen on area Dec. 24: Gadwall, 3 [plus 71 other ducks]; Pintail, 1; Yellow-shafted Flicker, 2.)—E. M. Brigham, Jr., E. M. Brigham, 3rd, Wm. Dyer, A. E. Staebler, L. H. Walkinshaw (compiler).

249. Bay City, Mich. (15-mile diameter, Willard to mouth of Saginaw River to Zilwaukee to Mapleton; open farmland 40%, town suburbs 10%, deciduous farm woodlots 20%, cattail marsh 20%, sandy lake shoreline 5%).—Dec. 30; 8 a.m. to 5 p.m. Cloudy; temp. 20° to 28°; wind NE, 1-5 m.p.h.; ground frozen, 1-in. crusted snow, Saginaw Bay open near mouth of Saginaw River, Tittabawassee open, other water frozen. Four observers in 1 party. Total party-hours, 36 (16 on foot, 20 by car); total party-miles, 220 (12 on foot, 208 by car). Mallard, 3; Black Duck, 302; Am. Golden-eye, 47; Old-squaw, 1; Hooded Merganser, 5; Am. Merganser, 653; Goshawk, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Bald Eagle, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 58; Am. Coot, 4; Glaucous Gull, 1 (seen by all 4 observers at mouth of Saginaw River, where also seen on Dec. 9; watched through 7x binoculars and 20x telescope at 100 yards; size equal to or larger than Herring Gull; bill larger than Herring Gull and flight heavier; wing tips cream-colored); Herring Gull, 55; Screech Owl, 1 (dead); Snowy Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 7; Blue Jay, 11; Am. Crow, 225; Black-capped Chickadee, 7; Tufted Titmouse, 2; White-breasted Nuthatch, 6; Brown Creeper, 4; Common Starling, 199; House Sparrow, 561; Cardinal, 6; Purple Finch, 2; Am. Goldfinch, 2; Slate-colored Junco, 27; Am. Tree Sparrow, 86; Song Sparrow, 6; Lapland Longspur, 310; Snow Bunting, 41. **Total,** 39 species; 2652 individuals.—C. Kenaga, E. E. Kenaga (compiler), M. Kenaga, M. Wolf.

250. Boyne City, Mich. (15-mile diameter; East Jordan to Charlevoix to Boyne City; open farmlands 10%, town suburbs 20%, deciduous farm-woodlots 20%, spruce, cedar, birch lowlands 30%, shoreline 20%).—Dec. 25; 9 a.m. to 3:30 p.m. Cloudy, some snow; temp. 2° to 20°; wind ENE to WNW, 5-15 m.p.h.; ground covered with 12-in. snow, Lake Michigan and parts of Lake Charlevoix and streams not frozen. One observer. Total hours, 6½ (1½ on foot, 5 by car); total miles, 50 (2 on foot, 48 by car). Mute Swan, 2 (wild); Canada Goose, 3; Mallard, 102; Black Duck 12; Lesser Scaup, 16; Am. Golden-eye, 100; Am. Merganser, 6; Herring Gull, 838; Ring-billed Gull, 8; Downy Woodpecker, 3; Blue Jay, 22; Am. Crow, 8; Black-capped Chickadee, 3; White-breasted Nuthatch, 3; Am. Robin, 4; Golden-crowned Kinglet, 1; Common Starling, 224; House Sparrow, 160; Purple Finch, 2; Am. Goldfinch, 82 Red Crossbill, 6; Am. Tree Sparrow, 3; Snow Bunting, 46. **Total,** 23 species; 1654 individuals.—E. E. Kenaga.

251. Detroit, Mich. (centering at 14 Mile and Lahser Roads, extending to Pontiac on the north, 6 Mile Road to the south; Big Beaver on the east, and Halsted Road to the west; same area covered on the last 5 counts; open farm- and grassland 40%, swamps, lake, shores and stream banks 20%, conifer groves 5%, mature deciduous woodlands 10%, second-growth deciduous woodlands 10%, towns and suburbs 15%).—Dec. 30; 8 a.m. to 5 p.m. Clear; temp. 23° to 36°; no wind; ground covered with 4-in. snow; lakes frozen. Sixty-five observers in 15 parties. Total party-hours, 107¼

(59½ on foot, 47¾ by car); total party-miles, 657 (97 on foot, 560 by car). Canada Goose, 12; Mallard, 466; Black Duck, 18; Am. Golden-eye, 1; Am. Merganser, 13; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 8; Red-shouldered Hawk, 10; Marsh Hawk, 1; Sparrow Hawk, 13; Bob-white, 79; Ring-necked Pheasant, 163; Herring Gull, 4; Mourning Dove, 44; Screech Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 9; Hairy Woodpecker, 13; Downy Woodpecker, 135; Horned Lark, 3; Blue Jay, 290; Am. Crow, 220; Black-capped Chickadee, 142; Tufted Titmouse, 80; White-breasted Nuthatch, 112; Red-breasted Nuthatch, 3; Brown Creeper, 44; Winter Wren, 4; Mockingbird, 1 (R.O'R.); Am. Robin, 7; Hermit Thrush, 1 (D.S.M.); Eastern Bluebird, 2; Golden-crowned Kinglet, 35; Cedar Waxwing, 35; Common Starling, 883; House Sparrow, 1096; Eastern Meadowlark, 8; Cardinal, 208; Purple Finch, 5; Am. Goldfinch, 64; Slate-colored Junco, 498; Am. Tree Sparrow, 491; White-crowned Sparrow, 1 adult (J.R.A.); Song Sparrow, 17. **Total,** 45 species; 5249 individuals.—Mr. and Mrs. J. R. Ambacher, Aileen Bonatz, Leslie Cherow, David Crockett, Edward Cutler, Rupert Cutler, L. A. Danse, Bertha Daubendiek, James Furlong, Donald Girard, Margaret Goodwin, Bruce Hayes, Orville Heft, C. Hunter, Robert Hutchison, Irene Jasper, Helena Jessman, Jill Johnson, Alice Kelley, Neil T. Kelley, Douglas E. Kennedy, Eleanor Knight, Victor Knowles, Grant Lashbrook, Harry Lawrie, L. R. Lenz, Verna Lenz, Louise Lockeman, Emily Lytle, Sparkie Mahon, E. McLaren, Charles McLaughlin, Mrs. Charles McLaughlin, J. D. McMillan, Mrs. J. D. McMillan, Eugene McNeilage, Clarence Messner, Hazel Messner, Robert Messner, Douglas Middleton, Helen Middleton, Alice D. Miller, Leon Moore, Rima Nickell, Oscar B. Noren, Ralph A. O'Reilly, Charles Plumb, Mrs. Charles Plumb, Don Radovich, G. Rendleman, Millie Reynolds, Mrs. G. Roche, Robert Rogers, Homer Roberts, Astrid Sandberg, D. B. Savery, Mrs. R. Schilling, James Smith, Catherine Spence, Geraldine Suprenant, Bruce Turnbull, Alan Walker, Gerald Waters, Harriet Woolfenden.

252. East Lansing, Mich. (Mich. State College campus, along Red Cedar River, College woods, open fields, and swamp to Mt. Hope Rd., return to Pinetum, NE to Park Lake, Rose Lake and Corey's Marsh, and return to campus).—Dec. 29; 8 a.m. to 5:30 p.m. Mostly clear; temp. 12° to 30°; wind SW, light, 4-8 m.p.h.; 5-8-in. snow; rivers and lakes frozen. Eight observers in 2 parties. Total party-hours, 19 (16 on foot, 3 by car); total party-miles, 55 (17 on foot, 38 by car). Mallard, 1; Red-tailed Hawk, 2; Bob-white, 10; Ring-necked Pheasant, 13; Mourning Dove, 16; Belted Kingfisher, 1; Yellow-shafted Flicker, 10; Hairy Woodpecker, 6; Downy Woodpecker, 21; Blue Jay, 26; Am. Crow, 91; Black-capped Chickadee, 51; Tufted Titmouse, 14; White-breasted Nuthatch, 25; Brown Creeper, 5; Am. Robin, 12; Golden-crowned Kinglet, 5; Cedar Waxwing, 70; Common Starling, 40; House Sparrow, 458; Cardinal, 21; Am. Goldfinch, 21; Red Crossbill, 28; Slate-colored Junco, 60; Am. Tree Sparrow, 215; Song Sparrow, 6. **Total,** 26 species; 1228 individuals.—T. L. Ingersoll, Helen Schulte, Marguerite Schulte, Chas. H. Blair, Lester Eyer, George J. Wallace, L. Claire Hulbert (compiler), C. T. Black (Lansing Audubon Society).

253. Imlay City, Mich. (Highway M-21 to points 8 miles north and 7 miles south, extending west 8 miles from Lapeer-St. Clair county line; same area as covered last year; open farmland 25%, farm woodlots 10%, shrubby fence growths and roadside borders 50%, cattail marsh 10%, brushy hillside 4%, feeding stations 1%).—Dec. 24; 7 a.m. to 5 p.m. Cloudy all day; temp. 40° to 25°; wind WNW, 25-30 m.p.h.; ground covered with snow; ponds frozen; streams open. Eight observers in 2 parties. Total party-hours, 18 (8 on foot, 10 by car); total party-miles, 110 (10 on foot, 100 by car). Cooper's Hawk, 3; Red-tailed Hawk, 7; Ruffed Grouse, 8; Bob-white, 5; Ring-necked Pheasant, 10; Mourning Dove, 5; Screech Owl, 1; Long-eared Owl, 2; Short-eared Owl, 1; Yellow-shafted Flicker, 12; Hairy Woodpecker, 8; Downy Woodpecker, 10; Horned Lark, 25; Blue Jay, 31; Am. Crow, 206; Black-capped Chickadee, 80; Tufted Titmouse, 9; White-breasted Nuthatch, 11; Brown Creeper, 6; Am. Robin, 1; Golden-crowned Kinglet, 8; Common Starling, 173; House Sparrow, 375; Cardinal, 3; Am. Goldfinch, 70; Slate-colored Junco, 41; Am. Tree Sparrow, 122; Song Sparrow, 8; Snow Bunting, 30. **Total,** 29 species; 1303 individuals. (Seen in area Dec. 25: Red Crossbill, 5; Dec. 28: Rough-legged Hawk, 2.)—G. Bryan Harry, Ruth Matteson, William R. Shaw, Marion A. Zimmerman, Dale A. Zimmerman, Landis M. Zimmerman, Leta Pearl Zimmerman, Martha A. Lengemann (compiler).

254. Kalamazoo, Mich. (a circle of 15 miles including Wolf Lake area, Ravine Road, Cooper, Comstock, Milham Park and Portage; roadside 15%, deciduous woods 30%, shrubby marsh 45%, running water 10%).—Dec. 30; 8:30 a.m. to 5 p.m. Cloudy; temp. 24° to 29°; wind W to SW, 5-15 m.p.h.; 10-in. snow; only running water unfrozen. Seventeen observers in 6 parties. Total party-hours, 23 (12 on foot, 11 by car); total party-miles, 180 (21 on foot, 159 by car). Mallard, 14; Black Duck, 11; Am. Golden-eye, 142; Red-breasted Merganser, 2; Cooper's Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 2; Peregrine Falcon, 1; Ring-necked Pheasant, 26; Herring Gull, 8; Mourning Dove, 16; Belted Kingfisher, 6; Yellow-shafted Flicker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 20; Blue Jay, 68; Am. Crow, 73; Black-capped Chickadee, 49; Tufted Titmouse, 41; White-breasted Nuthatch, 23; Brown Creeper, 4; Catbird, 1 [no details—Ed.]; Golden-crowned Kinglet, 3; Cedar

Waxwing, 15; Common Starling, 268; House Sparrow, 580; Cardinal, 62; Am. Goldfinch, 39; Slate-colored Junco, 101; Am. Tree Sparrow, 101; Swamp Sparrow, 1; Song Sparrow, 35. **Total,** 33 species; 1722 individuals.—Jean Batts, K. Limpus, W. Freyburger, H. Wiles, H. O. Wiles, C. Cook, A. Cook, C. Dann, R. Deur, L. Daggett, L. Ritsema, J. Avery, H. Osborn, M. Thompson, B. Mott, G. Hall, L. Eaton (Audubon Society of Kalamazoo).

255. Muskegon, Mich. (7-mile radius centering on Clay and Second Sts., including Muskegon State Park, Channel between Lakes Michigan and Muskegon, Muskegon lake shore from Washington Ave. to Oil Tank Farm, Pere Marquette Park and Port Sherman at Lake Michigan; wooded 25%, business and city suburbs 25% and lake shore 50%).—Dec. 28; 9 a.m. to 5 p.m. Clear a.m.; snow p.m., light in some places; temp. 30° to 28°; wind WNW, 5 m.p.h.; ground covered with drifted snow to 3 ft. Sixteen observers in 1 party. Total party-hours, 8 (7 on foot, 1 by car); total party-miles, 20 (5 on foot, 15 by car). Black Duck, 60; Canvas-back, 1; Lesser Scaup, 10; Am. Golden-eye, 250; Buffle-head, 8; Old-squaw, 30; Surf Scoter, 1; Am. Merganser, 14; Bald Eagle, 1; Herring Gull, 250; Ring-billed Gull, 1; Snowy Owl, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 17; Am. Crow, 1; Black-capped Chickadee, 8; Tufted Titmouse, 1; White-breasted Nuthatch, 2; Brown Creeper, 1; Golden-crowned Kinglet, 8; Common Starling, 20; House Sparrow, 56; Cardinal, 2; Am. Goldfinch, 18; Red Crossbill, 11; Slate-colored Junco, 22. **Total,** 28 species; 798 individuals.—Alex Andersen, Almeda Boulton, Jani Dawes, Kathleen DeVries, Margaret Elliott, Janice Hazekamp, Joyce Hazekamp, Anita Inman, Leona Inman, Nancielu Inman, Cecial Kersting, Earl Kersting, Donzy Loomis, Robert Maihofer, Richard Warren, George M. Wickstrom (Muskegon County Bird Club).

256. Owosso, Mich. (Northwest to Sawyer Drain, north to Henderson Park, east to Hintz Road and return; upland deciduous forest 15%, bottomland deciduous forest and riverbanks 30%, shrubby field borders and drain borders 40%, open fields 15%).—Dec. 28; 9 a.m. to 5 p.m. Clear; temp. 12° to 25°; wind SW, 1-7 m.p.h.; 2-in. snow on ground; river partially frozen. One observer. Total hours, 8 (7 on foot, 1 by car); total miles, 29 (7 on foot, 22 by car). Am. Golden-eye, 27; Cooper's Hawk, 1; Marsh Hawk, 1; Ring-necked Pheasant, 21; Mourning Dove, 10; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 7; Blue Jay, 7; Am. Crow, 28; Black-capped Chickadee, 9; Tufted Titmouse, 17; White-breasted Nuthatch, 10; Brown Creeper, 5; Golden-crowned Kinglet, 2; Common Starling, 36; House Sparrow, 103; Cardinal, 18; Purple Finch, 4; Am. Goldfinch, 4; Slate-colored Junco, 22; Am. Tree Sparrow, 41; Song Sparrow, 1. **Total,** 23 species; 377 individuals. (Seen in area Dec. 24; Horned Lark, 2; Jan. 1: Red-tailed Hawk, 3.)—Bruce V. Wilson.

257. Azalia, Ind. (Little Sand Creek to White River, White River to Big Sand Creek, 7½-mile radius west of river; bottomland 45%, agricultural fields 20%, upland forest 10%, residential 10%, abandoned fields 10%, stream bottom 5%).—Dec. 23; 5:30 a.m. to 5:30 p.m. 75% altostratus; temp. 34° to 50°; wind SW to W, 4-7 m.p.h.; snow in patches, river open, ponds and streams closed. Nine observers in 3 parties. Total party-hours, 24 (17 on foot, 7 by car); total party-miles, 110 (19 on foot, 91 by car). Mallard, 2; Black Duck, 23; Wood Duck, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Marsh Hawk, 22; Sparrow Hawk, 12; Bob-white, 21; Mourning Dove, 97; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 36; Pileated Woodpecker, 1; Red-bellied Woodpecker, 23; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 43; Horned Lark, 41; Blue Jay, 7; Am. Crow, 681; Carolina Chickadee, 85; Tufted Titmouse, 95; White-breasted Nuthatch, 19; Brown Creeper, 22; Winter Wren, 1; Carolina Wren, 32; Am. Robin, 12; Eastern Bluebird, 22; Golden-crowned Kinglet, 2; Cedar Waxwing, 4; Common Starling, 359; Myrtle Warbler, 7; House Sparrow, 459; Eastern Meadowlark, 28; Cardinal, 193; Am. Goldfinch, 14; Eastern Towhee, 17; Vesper Sparrow, 2; Slate-colored Junco, 66; Am. Tree Sparrow, 254; Swamp Sparrow, 6; Song Sparrow, 105. **Total,** 44 species; 2827 individuals.—J. B. Cope (compiler), D. Joyner, E. L. Joyner, J. W. Joyner, S. A. Joyner, L. A. Lumpkin, R. F. Myers, Mr. and Mrs. S. Simon.

258. Bloomington, Ind. (7½-mile radius centering on Unionville, Ind., and including Yellowwood Lake, Salt Creek Valley, Ind.; University Campus at Bloomington, Griffey Lake, Beanblossom Creek, Morgan-Monroe Forest; upland deciduous forest 37%, coniferous forest 3%, bottomland deciduous forest 5%, bottomland grassy field 15%, plowed field 15%, fresh water lake shore 10%, urban wooded campus 15%).—Dec. 30; 6 a.m. to 4:30 p.m. Overcast, clearing at noon; temp. 21° to 39°; wind SSW to WNW, 10-15 m.p.h.; shaded spots covered with 1-2-in. snow-ice, all lakes and quiet stretches of creeks frozen. Three observers in 1 party. Total party-hours, 10½ (5 on foot, 5½ by car); total party-miles, 73 (8 on foot, 65 by car). Red-tailed Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 1; Ruffed Grouse, 1; Bob-white, 3; Killdeer, 2; Wilson's Snipe, 1; Mourning Dove, 69; Screech Owl, 2; Horned Owl, 1; Yellow-shafted Flicker, 5; Pileated Woodpecker, 2; Red-bellied Woodpecker, 9; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 7; Horned Lark, 10; Blue Jay, 17; Am. Crow, 13; Carolina Chickadee, 18; Tufted Titmouse, 8; White-breasted Nuthatch, 4;

Brown Creeper, 2; Carolina Wren, 5; Mockingbird, 4; Brown Thrasher, 1; Am. Robin, 21; Eastern Bluebird, 37; Common Starling, 84; House Sparrow, 50; Eastern Meadowlark, 41; Cardinal, 103; Purple Finch, 1; Am. Goldfinch, 23; Slate-colored Junco, 94; Am. Tree Sparrow, 96; Song Sparrow, 49. **Total,** 37 species; 796 individuals.—Edward L. Mockford, Val Nolan, Jr. (compiler), Palmer D. Skaar.

259. Hovey Lake State Game Preserve, Ind. (Mt. Vernon to Hovey Lake, Hovey Lake, west to the Wabash River and east to the Ohio River; bottomland 50%, lake 30%, agricultural fields 10%, abandoned fields 5%, swamp 3%, residential 2%).—Dec. 27; 5:30 a.m. to 5 p.m. Clear; temp. 11° to 25°; wind NNE, 13-18 m.p.h.; ground bare; rivers and lake open. Eight observers in 2 parties. Total party-hours, 20 (8 on foot, 6 by car, 6 by boat); total party-miles, 150 (25 on foot; 120 by car, 5 by boat). Common Loon, 1; Great Blue Heron, 2; Canada Goose, 1100; Mallard, 257,250; Black Duck, 28,600; Gadwall, 10; Am. Widgeon, 30; Pintail, 200; Green-winged Teal, 1; Redhead, 50; Ring-necked Duck, 700; Canvas-back, 2000; Lesser Scaup, 800; Am. Golden-eye, 1000; Buffle-head, 25; Ruddy Duck, 1; Hooded Merganser, 1; Am. Merganser, 10; Red-breasted Merganser, 1; Black Vulture, 5; Cooper's Hawk, 3; Red-tailed Hawk, 10; Red-shouldered Hawk, 4; Rough-legged Hawk, 3; Bald Eagle, 1; Marsh Hawk, 10; Sparrow Hawk, 2; Bob-white, 3; Herring Gull, 17; Ring-billed Gull, 200; Mourning Dove, 126; Screech Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 20; Pileated Woodpecker, 3; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 18; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 17; Horned Lark, 4; Blue Jay, 61; Am. Crow, 980; Carolina Chickadee, 13; Tufted Titmouse, 29; White-breasted Nuthatch, 10; Brown Creeper, 6; Winter Wren, 6; Carolina Wren, 55; Brown Thrasher, 1; Am. Robin, 1; Eastern Bluebird, 14; Golden-crowned Kinglet, 16; Common Starling, 547; House Sparrow, 244; Eastern Meadowlark, 60; Red-winged Blackbird, 21; Cardinal, 144; Am. Goldfinch, 19; Eastern Towhee, 9; Vesper Sparrow, 1; Slate-colored Junco, 226; Am. Tree Sparrow, 152; Field Sparrow, 34; White-crowned Sparrow, 1; White-throated Sparrow, 4; Fox Sparrow, 2; Swamp Sparrow, 12; Song Sparrow, 71. **Total,** 69 species; about 295,001 individuals. (Seen in area Dec. 26; Snow Goose, 1.)—W. B. Barnes, J. B. Cope (compiler), L. B. Hunt, R. F. Lewis, J. D. McCall, R. F. Myers, S. W. Simon, J. Tucker.

260. Indianapolis, Ind. (2 miles southwest, through center of town, 10 miles northwest, 13 miles northwest, 4 miles west, 2 miles east, Sewage Disposal Plant, Eagle Crest, Geist Reservoir, Squaw Hill, Holliday Park, along Fall Creek, Irvington, Butler University Campus, Bacon's Swamp and Josedale; open farmlands 30%, urban 4%, town suburb 6%, lake area 25%, woods 20%, farm woodlots 5%, city park 7%, river area 3%).—Dec. 23; 6:15 a.m. to 4 p.m. Partly cloudy in a.m., changing to clear; temp. 29° to 44°; wind SE, 7-9 m.p.h.; very extensive areas of ice on reservoir (91% frozen over) and rivers (wide quiet places frozen over). Seventeen observers in 5 parties. Total party-hours, 49 (40 on foot, 9 by car); total party-miles, 199 (31 on foot, 168 by car). Great Blue Heron, 1; Mallard, 975 (±25); Black Duck, 1900 (±20); Gadwall, 4; Am. Widgeon, 2; Pintail, 1; Green-winged Teal, 3; Wood Duck, 5; Am. Golden-eye, 3; Hooded Merganser, 1; Am. Merganser, 34; Goshawk, 1 (C.K.); Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 17; Bob-white, 14; Ring-necked Pheasant, 1; Am. Coot, 1; Mourning Dove, 9; Barn Owl, 1; Barred Owl, 2; Belted Kingfisher, 7; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 55; Horned Lark, 53; Blue Jay, 21; Am. Crow, 740 (±15); Carolina Chickadee, 56; Tufted Titmouse, 45; White-breasted Nuthatch, 26; Brown Creeper, 37; Winter Wren, 1; Carolina Wren, 10; Mockingbird, 4; Am. Robin, 26; Eastern Bluebird, 13; Golden-crowned Kinglet, 2; Cedar Waxwing, 7; Common Starling, 1425 (±50); Myrtle Warbler, 4; House Sparrow, 290 (±10); Eastern Meadowlark, 10; Cardinal, 110 (±5); Pine Siskin, 2; Am. Goldfinch, 59; Slate-colored Junco, 150 (±5); Am. Tree Sparrow, 75 (±5); Song Sparrow, 52. **Total,** 53 species; about 6292 individuals. (Seen in area Dec. 24: Pied-billed Grebe, 1; Red-tailed Hawk, 1; Purple Grackle, 1; Red Crossbill, 13 [C.K., C.B.]; Eastern Towhee, 1; Dec. 25: Red-headed Woodpecker, 3; Harris's Sparrow, 1 [C.K., C.B.]; Dec. 31: Yellow-bellied Sapsucker, 1; Purple Finch, 2; White-crowned Sparrow, 2; Jan. 1: Bald Eagle, 3.)—William Barnes, Charles and Flo Ann Berriman, Mildred Campbell, Mrs. R. J. Gasper, Mr. and Mrs. Joel Hadley, Charles E. Keller, Otto Mengering, Ed. Mockford, Mark W. Pangborn, Dale Rice, John M. Satter, Henry C. West (compiler), Dorothy White, Roberta Wood, Howard F. Wright (Amos W. Butler Chapter, Indiana Audubon Society).

261. Jasper-Pulaski Game Preserve, Medaryville, Ind. (Jasper-Pulaski Game Preserve, 3 miles south and 7 miles west of Medaryville; pasture 40%, coniferous forests 34%, deciduous woods 20%, lake 2%, residential 2%, agricultural fields 2%).—Dec. 30; 6 a.m. to 5 p.m. Cloudy, snow in a.m., clear in p.m.; temp. 19° to 22°; wind W, 4-7 m.p.h.; 6-8-in. snow, water frozen except part of lake. Three observers in 1 party. Total party-hours, 11 (9 on foot, 2 by car); total party-miles, 48 (8 on foot, 40 by car). Canada Goose, 4; Mallard, 32; Black Duck, 1; Wood Duck, 1; Red-tailed Hawk, 5; Marsh Hawk, 1; Bob-white, 3; Ring-billed Gull, 2; Mourning Dove, 14; Screech Owl, 1; Horned Owl, 4; Barred Owl, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 2;

Red-headed Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 38; Blue Jay, 30; Am. Crow, 38; Black-capped Chickadee, 4; Tufted Titmouse, 6; White-breasted Nuthatch, 2; Golden-crowned Kinglet, 7; Common Starling, 108; House Sparrow, 290; Eastern Meadowlark, 15; Cardinal, 3; Pine Grosbeak, 9; Slate-colored Junco, 46; Am. Tree Sparrow, 19; Song Sparrow, 1. **Total,** 31 species; 693 individuals.—J. B. Cope (compiler), R. F. Myers, S. W. Simon.

[Mr. and Mrs. Raymond Grow, Paul Davis, William Overlease and Simon Segal covered this area on the previous day and recorded 242 individuals of 20 species; their list included the following species which were not found on Dec. 30: Bald Eagle, 2 (ad. and im.); Sparrow Hawk, 1; Ring-necked Pheasant, 10 (probably escaped birds); and Am. Goldfinch, 4.]

262. Lafayette, Ind. (7½-mile radius centering at top of hill of Route 52 bypass; Wabash River, Wildcat and Jordan creeks, Cary Scout Camp, Hadley's Lake, Blackbird Pond, Horticultural Farm, 2 marshes 6 miles west of town; river bottom 25%, creek bottom 25%, low woods and brush 23%, cultivated fields 14%, upland deciduous woods 8%, cattail marsh 4%, pine grove 1%).—Dec. 23; 4:45 a.m. to 4:50 p.m. Cloudy to partly cloudy; temp. 25° to 40°; wind SSW to WSW, 10 to 19 to 10 m.p.h.; bar. 29.92-29.88; ground covered with 3-in. slightly crusted snow; ponds frozen, river and creeks partly frozen. Eleven observers in 6 parties. Total party-hours, 40 (39 on foot, 1 by car); total party-miles, 49½ (34½ on foot, 15 by car). Canada Goose, 32; Mallard, 815 (800±100, 15); Black Duck, 106 (80±15, 26); Green-winged Teal, 1 (R.K.); Am. Golden-eye, 59; Hooded Merganser, 6; Am. Merganser, 35; Sharp-shinned Hawk, 1 (C.M.K.); Cooper's Hawk, 3; Red-tailed Hawk, 7; Rough-legged Hawk, 6; Bald Eagle, 1; Marsh Hawk, 7; Sparrow Hawk, 10 [hawk (sp.) 5]; Bob-white, 1; Ring-necked Pheasant, 1; Wilson's Snipe, 2; Herring Gull, 4; Mourning Dove, 80; Horned Owl, 3; Long-eared Owl, 6; Short-eared Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 22; Red-bellied Woodpecker, 31; Red-headed Woodpecker, 2; Hairy Woodpecker, 12; Downy Woodpecker, 60; Horned Lark, 4; Blue Jay, 37; Am. Crow, 960 (585±100, 375); Black-capped Chickadee, 32; Tufted Titmouse, 96; White-breasted Nuthatch, 11; Brown Creeper, 22; Carolina Wren, 17; Am. Robin, 8; Eastern Bluebird, 6; Golden-crowned Kinglet, 8; Common Starling, 781 (625±150, 156); Myrtle Warbler, 1; House Sparrow, 165 (75±25, 90); Eastern Meadowlark, 14; Cardinal, 68; Purple Finch, 4; Am. Goldfinch, 7; Eastern Towhee, 3; Slate-colored Junco, 97; Am. Tree Sparrow, 303; Field Sparrow, 7 (D.S., N.K.); Swamp Sparrow, 7; Song Sparrow, 81. **Total,** 52 species; about 4066 individuals.—I. W. Burr (compiler), J. T. Burr, K. W. Crain, Geo. Dellinger, J. E. Hall, C. M. Kirkpatrick, R. A. Kizer, Noble Kizer, Jr., Dale Samson, G. L. Walker, M. S. Webster.

263. Michigan City, Ind. (7½-mile radius centering on U. S. Highway 12 at Beverly Shores, east to Michigan City Harbor, west to Mineral Springs Tamarack bog; lake shore 50%, deciduous woods 30%, tamarack bog and swamps 15%, coniferous woods 5%).—Jan. 1; 7:30 a.m. to 5 p.m. Sunny; temp. 33° to 30°; wind NW, 8 m.p.h.; swamps frozen, Lake Michigan ice extending 100 yards from shore; 9- to 24-in. snow. Four observers in 1 party. Total party-hours, 38 (24 on foot, 14 by car); total party-miles, 140 (20 on foot, 120 by car). Mallard, 8; Black Duck, 26; Am. Golden-eye, 175; Buffle-head, 40; Old-squaw, 1; Am. Merganser, 7; Red-breasted Merganser, 5; Marsh Hawk, 1; Ring-necked Pheasant, 1; Herring Gull, 50; Ring-billed Gull, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 22; Am. Crow, 4; Black-capped Chickadee, 17; Tufted Titmouse, 1; White-breasted Nuthatch, 2; Hermit Thrush, 1 (rufous tail easily seen at 50 feet, other markings plain); Common Starling (not counted); House Sparrow (not counted); Cardinal, 12; Am. Goldfinch, 2; Slate-colored Junco, 27; Am. Tree Sparrow, 3; Song Sparrow, 2. **Total,** 27 species; 415 individuals. Wren (sp.) heard but not seen and fresh Bob-white tracks seen on count day. Known to be in area, Barred Owl and Bonaparte's Gull.)—Mr. and Mrs. Raymond Grow, Mr. and Mrs. Simon Segal.

264. New Castle, Ind. (4 mi. north, 5 mi. south, 2 mi. west, including woods & fields near Memorial Park and Ind. Village of Epileptics, Blue River, wooded residential area; deciduous woodlots 42%, low woods and brush-lined creek banks 38%, cultivated fields 16%, city area 1%, lake and ponds 3%).—Jan. 1; 7:45 a.m. to 4 p.m. Clear in a.m., cloudy in p.m.; temp. 27° to 44°; wind S, 5-10 m.p.h.; lakes, ponds, small creeks frozen, ground frozen. Sixteen observers in 4 parties. Total party-hours, 22 (18 on foot, 4 by car); total party-miles, 33 (18 on foot, 15 by car). Mallard, 111; Black Duck, 23; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Rough-legged Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 2; Bob-white, 4; Ring-necked Pheasant, 1; Mourning Dove, 56; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 41; Horned Lark (see note); Blue Jay, 14; Am. Crow, 1084; Carolina Chickadee, 64; Tufted Titmouse, 48; White-breasted Nuthatch, 7; Brown Creeper, 4; Carolina Wren, 5; Am. Robin, 43; Hermit Thrush, 2; Golden-crowned Kinglet, 1; Common Starling, 351; House Sparrow, 97; Eastern Meadowlark, 1; Cardinal, 81; Am. Goldfinch, 11; Slate-colored Junco, 70; Am. Tree Sparrow, 65; Field Sparrow, 8; Song Sparrow, 69; Lapland Longspur (see note). (Mixed flock of approx. 150 Lapland Longspurs and Horned Larks. From observations made by several census takers, the conclusion was reached that the flock was predominately longspurs, but no accurate ratio of longspurs to larks could be

determined—M.F., B.U., M.C., M.T., observers). **Total,** 35 species; 2432 individuals.—John Ainsworth, Mary Culp, Carl Davis, Doris Davis, Paul Davis, Richard Dilts, Phil Evans, Mary Finke, Lovella Forsyth, Max Forsyth, Shirley Nixon, David Riley, Bob Usher, Freda Wilt, Kelly Wise, Marjorie Tapscott (Shortridge High School Naturalists' Club and sponsor, Indianapolis; Senior High School Bird Club, New Castle).

265. Northern Porter County, Ind. (1 mile along Lake Michigan shore, 1 mile along Burns Ditch, 3 miles among permanent dunes, 2 miles in rural suburb, 1 mile in swamps, 1 mile on country road; deciduous woods 50%, lawns and shrubs 20%, swamps 10%, river bank 10%, lake shore 10%).—Dec. 24; 9 a.m. to 5 p.m. Sunny; temp. 25° to 20°; wind NW, 3-15 m.p.h.; river, swamps frozen, 9-24-in. snow on ground. Three observers in 1 party. Total party-hours, 24 (20 on foot, 4 by car); total party-miles, 69 (24 on foot, 45 by car). Old-squaw, 1; Herring Gull, 52; Ring-billed Gull, 4; Mourning Dove, 1; Belted Kingfisher, 1; Hairy Woodpecker, 1; Downy Woodpecker, 7; Blue Jay, 4; Am. Crow, 3; Black-capped Chickadee, 2; Tufted Titmouse, 2; White-breasted Nuthatch, 1; Common Starling, 2; House Sparrow (not counted); Cardinal, 15; Am. Goldfinch, 17; Slate-colored Junco, 40; Am. Tree Sparrow, 25; Song Sparrow, 1; Snow Bunting, 20; **Total,** 20 species; 198 individuals.—Mr. and Mrs. Raymond Grow, Simon Segal.

266. Richmond, Ind. (Conservation Park, Clear Creek to Whitewater to Richmond, Glen Miller Park, Centerville airport, Boston airport, Wood Duck Pond; deciduous woodlands 60%, residential 10%, abandoned fields 10%, bottomland 5%, marsh 5%, agricultural fields 5%, airport 5%).—Dec. 28; 8 a.m. to 5 p.m. Clear; temp. 8° to 30°; wind NW, 0-2 m.p.h.; 2-4-in. snow, river and streams open, ponds frozen. Thirteen observers in 4 parties. Total party-hours, 23 (20 on foot, 3 by car); total party-miles, 158 (48 on foot, 110 by car). Pied-billed Grebe, 1; Mallard, 6; Black Duck, 18; Ruddy Duck, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Rough-legged Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 4; Bob-white, 23; Mourning Dove, 82; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 19; Red-bellied Woodpecker, 8; Hairy Woodpecker, 2; Downy Woodpecker, 55; Horned Lark, 119; Blue Jay, 22; Am. Crow, 69; Carolina Chickadee, 82; Tufted Titmouse, 81; White-breasted Nuthatch, 13; Brown Creeper, 16; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 7; Am. Robin, 4; Eastern Bluebird, 3; Golden-crowned Kinglet, 6; Cedar Waxwing, 12; Common Starling, 539; House Sparrow, 577; Eastern Meadowlark, 1; Cardinal, 120; Am. Goldfinch, 16; Slate-colored Junco, 69; Am. Tree Sparrow, 224; Field Sparrow, 3; White-crowned Sparrow, 3; Swamp Sparrow, 4; Song Sparrow, 149; Snow Bunting, 35. **Total,** 44 species; 2418 individuals. (Seen in area Dec. 25: Mockingbird, 1; Dec. 31: Myrtle Warbler, 1.)—J. B. Cope (compiler), E. Curtis, P. Ellis, L. B. Hunt, H. Keys, R. E. Lewis, R. F. Myers, Mr. and Mrs. L. Ripberger, Mrs. C. Snow, Mr. and Mrs. C. Swisher, Mrs. B. Ward (Richmond Audubon and Nature Club).

267. South Bend, Ind. (same area as previous counts; deciduous woods 40%, open river 10%, marshland 20%, open farmland 25%, cedar and spruce groves 5%).—Dec. 30; 8 a.m. to 5 p.m. Clear, sunny; temp. 15° to 30°; wind NW, 0-8 m.p.h.; 8-9-in. snow; river open, lakes and creeks frozen. Nineteen observers in 4 parties. Total party-hours, 34½ (31 on foot, 3½ by car); total party-miles, 115 (37 on foot, 78 by car). Pied-billed Grebe, 1; Mallard, 25; Pintail, 2; Redhead, 3; Am. Golden-eye, 577; Am. Merganser, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Ring-necked Pheasant, 5; Herring Gull, 220; Ring-billed Gull, 3; Mourning Dove, 30; Barred Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 3; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 24; Blue Jay, 55; Am. Crow, 60; Black-capped Chickadee, 16; Tufted Titmouse, 34; White-breasted Nuthatch, 23; Brown Creeper, 5; Winter Wren, 1; Am. Robin, 19; Golden-crowned Kinglet, 3; Cedar Waxwing, 8; Common Starling, 158; Myrtle Warbler, 2; House Sparrow, 841; Cardinal, 41; Purple Finch, 3; Pine Siskin, 8; Am. Goldfinch, 65; Slate-colored Junco, 165; Oregon Junco, 1; Am. Tree Sparrow, 21; Field Sparrow, 5; Fox Sparrow, 1; Song Sparrow, 4. **Total,** 42 species; about 2459 individuals. (Oregon Junco seen daily through December.)—Roy Rogers, M. Dale Harbaugh, Ural Coleman, John Pine, Elinor Pine, George Rhodes, Jerome Meek, Richard Freshley, Elmer Rodgers, Hugh L. Woolverton, C. C. Hyde, David Hyde, Ann Nuner, Janet Kochamowski, John Pauszek, Vern Doan, M. J. McErlain, Mrs. M. J. McErlain, C. K. Barnes (South Bend Audubon Society).

268. Bird Haven Sanctuary (Richmond Co.), Ill. (6-mile radius centering on Bird Haven, and including City Park and Dump Grounds, cemeteries, Big Creek and adjoining fields to the west of highway No. 130, Fox Creek, Vernor Lake; open farmlands 50%, deciduous forests 35%, parks and streets of Olney, 5%, lakes and streams 10%).—Dec. 28; 8 a.m. to 5:15 p.m. Clear; temp. 5° to 30°; wind light; lakes frozen, some running water in Big Creek. Five observers in 2 parties. Total party-hours, 18 (7 on foot, 11 by car); total party-miles, 52 (6 on foot, 46 by car). Red-shouldered Hawk, 4; Marsh Hawk, 4; Sparrow Hawk, 5; Bob-white, 5; Mourning Dove, 51; Barred Owl, 2; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 13; Horned Lark, 11; Blue Jay, 30; Am. Crow, 42; Carolina Chickadee, 40; Tufted Titmouse, 16; White-breasted Nuthatch, 2; Brown Creeper, 3; Winter

Wren, 2; Bewick's Wren, 2; Carolina Wren, 15; Mockingbird, 6; Eastern Bluebird, 22; Golden-crowned Kinglet, 1; Loggerhead Shrike, 1; Common Starling, 253; House Sparrow, 279; Eastern Meadowlark, 76; Cardinal, 58; Am. Goldfinch, 3; Slate-colored Junco, 208; Am. Tree Sparrow, 293; White-crowned Sparrow, 16; Song Sparrow, 11. **Total,** 34 species; 1491 individuals. (Seen in area during the week: Screech Owl, 1; Belted Kingfisher, 1; Am. Robin, 5; Purple Finch, 1.)—Violet Scherer, Vera Scherer Shaw, Minnie Hundly, Pearl Stine, Perna M. Stine.

269. Bushnell, Ill. (enroute to and from town and area in and around Brown's Woods 4 miles from town; pasture 10%, deciduous woodlot 65%, hedgerows 5%, town 5%, plowed fields 15%),—Jan. 1; 10 a.m. to 5 p.m. Clear until 12:30; cloudy balance of day; temp. 39° to 42°; wind SE, 5 m.p.h. Three observers in 1 party. Total party-hours, 21 (12 on foot, 9 by car); total party-miles, 39 (9 on foot, 30 by car). Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 3; Herring Gull, 1; Mourning Dove, 1; Short-eared Owl, 4; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 10; Hairy Woodpecker, 3; Downy Woodpecker, 3; Horned Lark, 5; Blue Jay, 9; Am. Crow, 29; Black-capped Chickadee, 3; Tufted Titmouse, 2; White-breasted Nuthatch, 2; Common Starling, 36; House Sparrow, 325; Cardinal, 8; Am. Goldfiinch, 2; Slate-colored Junco, 1; Am. Tree Sparrow, 44. **Total,** 22 species; 498 individuals. The Herring Gull seen was flying over the woods; this seems to be in an air route for shorebirds to the Illinois River.—John R. S. Scholes, Doris Scholes, John H. Scholes (compiler).

270. Carterville, Ill. (15-mile arc east, south and west over Crab Orchard National Wildlife Refuge; hardwood uplands 30%, hardwood bottoms 30%, conifer plantations 10%, cultivated fields 10%, marsh buffer 10%, open water 10%).—Dec. 28; 5:45 a.m. to 2:45 p.m. Clear; temp. 7° to 38°; no wind; water acreage 98% iced, ground clear. Three observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 102 (12 on foot, 90 by car). Canada Goose, 13,200; Mallard, 409; Black Duck, 1413; Gadwall, 15; Pintail, 15; Ring-necked Duck, 10; Canvas-back, 11; Am. Golden-eye, 2; Buffle-head, 20; Hooded Merganser, 25; Am. Merganser, 1500; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 5; Sparrow Hawk, 7; Bob-white, 14; Ring-necked Pheasant, 1; Herring Gull, 370; Ring-billed Gull, 104; Mourning Dove, 1; Horned Owl, 1; Barred Owl, 5; Yellow-shafted Flicker, 27; Pileated Woodpecker, 2; Red-bellied Woodpecker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 10; Horned Lark (Prairie), 6; Blue Jay, 39; Am. Crow, 210; Black-capped Chickadee, 197; Tufted Titmouse, 67; Brown Creeper, 2; Carolina Wren, 3; Mockingbird, 7; Am. Robin, 1; Eastern Bluebird, 34; Golden-crowned Kinglet, 6; Loggerhead Shrike (Migrant), 2; Common Starling, 75; House Sparrow, 6; Eastern Meadowlark, 59; Red-winged Blackbird, 30; Cardinal, 270; Am. Goldfinch, 12; Eastern Towhee, 3; Slate-colored Junco, 520; Am. Tree Sparrow, 340; White-crowned Sparrow, 9; Song Sparrow, 38. **Total,** 51 species; 19,125 individuals.—E. E. Crawford (compiler), R. J. Miller, Lee Bush (Refuge personnel).

271. Chicago, Ill. (15-mile diameter centering at Touhy and Lincoln Aves., Lincolnwood, Ill.; all lakefront and Forest Preserve District in the area, Graceland, Rosehill, Calvary, and Memorial Park Cemeteries; deciduous river woods 34%, feeding stations 20%, lakefront and harbors 19%, open fields 6%, cemeteries 6%, city parks 5%, golf courses 3%, clay and gravel pits 3%, rivers and canals 2%, city streets 2%).—Dec. 30; 7 a.m. to dusk. Partly cloudy to overcast; temp. 10° to 23°; winds, light variable; ground covered with 6-20-in. snow; water 75%, open. Twenty-five observers in 5 parties and at 3 feeders. Total party-hours, 50 (32 on foot, 8 by car, 10 at feeders); total party-miles, 88 (44 on foot, 44 by car). Mallard, 62; Black Duck, 1; Am. Golden-eye, 281; Old-squaw, 1811; Hooded Merganser, 1; Am. Merganser, 172; Red-breasted Merganser, 169; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 6; Sparrow Hawk, 11; European Partridge, 9; Ring-necked Pheasant, 182; Herring Gull, 4916 (3000±250, 1916); Ring-billed Gull, 5; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 49; Blue Jay, 11; Am. Crow, 188; Black-capped Chickadee, 87; Tufted Titmouse, 15; White-breasted Nuthatch, 11; Brown Creeper, 17; Am. Robin, 8; Varied Thrush, 1♀ (gray breast band, wing bars, eye stripe and other marks noted—P.K.; bird observed at Klopsteg feeder by reliable observers for 2 weeks previous to count); Golden-crowned Kinglet, 4; Common Starling, 652; House Sparrow, 534; Red-winged Blackbird, 1; Rusty Blackbird, 1; Cardinal, 48; Purple Finch, 3; Am. Goldfinch, 89; Slate-colored Junco, 93; Am. Tree Sparrow, 25; Song Sparrow, 7; Snow Bunting, 1. **Total,** 41 species; about 9496 individuals. (Seen in area during week: Red Crossbill, 2; Hermit Thrush, seen near Klopsteg feeder several times during the month—Mrs. R.L.M.)—Bill Baasel, Mrs. J. H. Buchanan, Mrs. Reba Campbell, Jerome J. Carroll, Mrs. H. Davids, Kenny Gilchrist, Joseph F. Healy (compiler), Mr. and Mrs. John Helmer, Bertha Huxford, Don Johnson, Mrs. Paul Klopsteg, Harold Lenz, Norman Lerch, Dale McDowell, Mr. and Mrs. R. L. Mannette, Ted Nork, Able Schwartz, Harry Smith, Mrs. Paul Stephenson, Mrs. Geo. Sollitt, Mrs. Georgia Trumbull, Ed. Williams, Dick Zusi (Chicago Ornithological Society, Evanston Bird Club).

272. East St. Louis, Ill. (Horseshoe Lake and Grand Marais State Park, plus surrounding fields; lakes 60%, open fields 25%, marshes 5%, decid-

uous woods 10%).—Dec. 23; 9 a.m. to 5 p.m. Clear; temp. 40° to 61°; wind SW to N, 10-15 m.p.h.; ground bare; lakes completely frozen. Eleven observers in 2 parties. Total party-hours, 15 (9 on foot, 6 by car); total party-miles, 40 (12 on foot, 28 by car). Mallard, 26; Black Duck, 1; Cooper's Hawk, 3; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 6; Bob-white, 15; Am. Coot, 1; Herring Gull, 5; Ring-billed Gull, 21; Mourning Dove, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 8; Pileated Woodpecker, 2 (G.C., A.L.); Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 15; Horned Lark, 118; Blue Jay, 5; Am. Crow, 350 (250 est., 100); Black-capped Chickadee, 15; Tufted Titmouse, 6; Brown Creeper, 3; Carolina Wren, 17; Mockingbird, 1; Brown Thrasher, 1 (J.Z., E.W.); Golden-crowned Kinglet, 1; Cedar Waxwing, 9; Common Starling, 400 (est.); Myrtle Warbler, 1; House Sparrow, 249; European Tree Sparrow, 54; Eastern Meadowlark, 1; Red-winged Blackbird, 300; Rusty Blackbird, 5; Purple Grackle, 2; Cardinal, 129; Am. Goldfinch, 22; Slate-colored Junco, 92; Am. Tree Sparrow, 107; Field Sparrow, 4; White-crowned Sparrow, 3; White-throated Sparrow, 4; Fox Sparrow, 3; Swamp Sparrow, 11; Song Sparrow, 59; Lapland Longspur, 172 (E.W. *et al.*). **Total,** 49 species; about 2263 individuals. —Richard Anderson, Paul Bauer, Donald Braun, George Cameron, Violla Holliday, Anthony Liebig, Richard Pfeiffer, Jim Scott, Marion Wilhelm, Eugene Wilhelm (compiler), Jim Ziervogel (Field Nature League of St. Louis).

273. Elsah, Ill. (4-mile radius centering on the Principia College Campus and including Elsah, Chautauqua, and Lock Haven; same general area as in 1938 and subsequent counts; deciduous forest 25%, open farmland 40%, river front 15%, village 5%, campus 15%).—Dec. 23; 6:45 a.m. to 4:30 p.m. Clear above, hazy toward horizons; temp. 28° to 52°; wind SW to S, 4-6 m.p.h.; ground partly covered with 1-2 in. of crusted snow. Seven observers in 4 parties. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 30 (8 on foot, 22 by car). Mallard, 1; Canvas-back, 1; Am. Golden-eye, 7; Red-tailed Hawk, 3; Rough-legged Hawk, 1; Bald Eagle, 2; Sparrow Hawk, 1; Bob-white, 41; Herring Gull, 280; Ring-billed Gull, 62; Mourning Dove, 4; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 14; Horned Lark, 7; Blue Jay, 11; Am. Crow, 90; Black-capped Chickadee, 33; Tufted Titmouse, 9; White-breasted Nuthatch, 4; Winter Wren, 2 ; Carolina Wren, 11; Mockingbird, 1; Eastern Bluebird, 15; Cedar Waxwing, 7; Common Starling, 60; House Sparrow, 40; Eastern Meadowlark, 3; Purple Grackle, 4; Cardinal, 45; Purple Finch, 11; Am. Goldfinch, 7; Slate-colored Junco, 39; Am. Tree Sparrow, 16; Song Sparrow, 11. **Total,** 40 species; 867 individuals.—L. Cain, E. Goodhue, H. G., G. M., and G. B. Happ (compiler), D. McNeil, J. F. Wanamaker.

274. Joliet, Ill. (7½-mile radius centering on west edge of town including Pilcher Park Arboretum, to the CCC camp on "I. and M." Canal, and open water of Des Plaines and Dupage Rivers).—Dec. 31; 7 a.m. to 5 p.m. Overcast all day; temp. 10° to 23°; wind NNE, 6 m.p.h.; ground snow-covered. Seven observers in 1 party. Total party-hours, 55 (37 on foot, 18 by car); total party-miles, 226 (47 on foot, 179 by car). Great Blue Heron, 1; Mallard, 36; Black Duck, 26; Gadwall, 60; Canvas-back, 28; Lesser Scaup, 79; Am. Golden-eye, 32; Ruddy Duck, 11; Am. Merganser, 12; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Ring-necked Pheasant, 6; Herring Gull, 19; Ring-billed Gull, 43; Belted Kingfisher, 3; Yellow-shafted Flicker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 7; Horned Lark, 2; Blue Jay, 8; Am. Crow, 63; Black-capped Chickadee, 17; Tufted Titmouse, 4; Brown Creeper, 3; Eastern Bluebird, 1; Common Starling, 60; House Sparrow, 160; Eastern Meadowlark, 4; Cardinal, 6; Slate-colored Junco, 8; Am. Tree Sparrow, 30; Swamp Sparrow, 1. **Total,** 34 species; about 739 individuals.—G. N. Hufford, George Woodruff, Mrs. E. D. Collins, Hilda McIntosh, Louis Englehardt, C. D. Stallman, Wm. L. Hughes (Audubon Society of Joliet).

275. Michael, Ill. (7½-mile radius centering at Michael, Calhoun Co., and including Trail Ranger Preserve, and parts of Jersey County and State of Missouri; orchards 5%, plowed lands 10%, uplands [wooded] 50%, bottomlands 35%).—Dec. 31; 7 a.m. to 6 p.m. Fair early and late; temp. 30° to 40°; wind ENE, 15-20 m.p.h.; ground softening. Eleven observers in 2 parties. Total party-hours, 16 (10 on foot, 6 by car); total party-miles, 28 (16 on foot, 12 by car). Lesser Scaup, 3; Am. Golden-eye, 2; Am. Merganser, 7; Cooper's Hawk, 1; Red-tailed Hawk, 7; Bald Eagle, 3; Marsh Hawk, 1; Sparrow Hawk, 7; Bob-white, 3; Killdeer, 2 (seen every year at springs); Wilson's Snipe, 1 (seen every year at springs); Herring Gull, 1; Ring-billed Gull, 3; Mourning Dove, 14; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 13; Pileated Woodpecker, 2 (regular here); Red-bellied Woodpecker, 13; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 15; Horned Lark, 1; Blue Jay, 13; Am. Crow, 42; Black-capped Chickadee, 15; Tufted Titmouse, 11; White-breasted Nuthatch, 2; Carolina Wren, 9; Am. Robin, 3; Eastern Bluebird, 11; Golden-crowned Kinglet, 1; Cedar Waxwing, 27; Loggerhead Shrike, 1; Common Starling, 69; Myrtle Warbler, 11; House Sparrow, 162; European Tree Sparrow, 8; Western Meadowlark, 44 (flock by pigpen all winter; heard singing); Red-winged Blackbird, 3; Purple Grackle (Bronzed), 30; Cardinal, 45; Purple Finch, 3; Am. Goldfinch, 8;

Slate-colored Junco, 233; Am. Tree Sparrow, 36; Song Sparrow, 2. **Total,** 48 species; 899 individuals.—Mrs. Guy Bonney, Frank Capra, Mrs. John Herkert, Alice Carol Herkert (child), Bea Hopwood, Lois Hopwood, George M. Link (compiler), Henry McGinnis, William Robertson, Mrs. William Stelbrink, Catherine Zeller, Gerald and Peggy Zipprich (children), Mrs. Henry Zipprich.

276. Murphysboro, Ill. (15-mile diameter, with Murphysboro as center; Carbondale Reservoir, Lake Murphysboro, Murphysboro and surrounding territory, Hickory Ridge area; deciduous woods and thickets 45%, water 30%, fields 20%, miscellaneous 5%).—Dec. 27; 7 a.m. to 4:30 p.m. Clear; temp. 10° to 30°; wind NE, 5-9 m.p.h.; ground bare; smaller bodies of water frozen. Five observers in 3 parties. Total party-hours, 24 (18 on foot, 6 by car); total party-miles, 152 (33 on foot, 119 by car). Mallard, 2; Canvas-back, 8; Am. Golden-eye, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 8; Wilson's Snipe, 3; Mourning Dove, 12; Barred Owl, 1; Yellow-shafted Flicker, 30; Pileated Woodpecker, 1; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 37; Horned Lark, 1; Blue Jay, 42; Am. Crow, 72; Black-capped Chickadee, 29; Carolina Chickadee, 96; Tufted Titmouse, 49; White-breasted Nuthatch, 4; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 20; Hermit Thrush, 1; Eastern Bluebird, 13; Golden-crowned Kinglet, 4; Loggerhead Shrike, 5; Common Starling, 1430 (est.); House Sparrow, 463; Eastern Meadowlark, 10; Red-winged Blackbird, 497; Rusty Blackbird, 18; Brown-headed Cowbird, 28; Cardinal, 139; Purple Finch, 2; Am. Goldfinch, 76; Henslow's Sparrow, 1 (flat head and big pale bill; seen by W.H. and K.S.); Slate-colored Junco, 500; Am. Tree Sparrow, 155; Field Sparrow, 44; White-crowned Sparrow, 1; White-throated Sparrow, 5; Fox Sparrow, 2; Swamp Sparrow, 7; Song Sparrow, 44. **Total,** 51 species; about 3908 individuals. (Seen during period: Bob-white, Killdeer, Mockingbird, Robin.)—Richard Brewer, Thomas Collins, William Hardy, Gene Pope, Kenneth Stewart.

277. Pere Marquette State Park, Grafton, Ill. (7½-mile radius with Brussels, Ill., as center, including southern third of Calhoun County, and both Illinois and Mississippi Rivers and sloughs among which are famous Swan Lake and Eagle Lake; bottom, marsh and swamp 50%, river and slough area 10%, wooded uplands 30%, farmlands, including orchards and all towns under 1000 pop.)—Dec. 30; 7 a.m. to 6 p.m. Clear; temp. 18° to 34°; wind SW, 0-5 m.p.h.; rivers frozen over except for small holes. Forty observers in 6 parties. Total party-hours, 52 (34 on foot, 18 by car); total party-miles, 263 (46 on foot, 217 by car). Canada Goose, 88; Snow Goose, 3; Blue Goose, 1; Mallard, 1621 (1200 est. 421); Black Duck, 27; Gadwall, 24; Am. Widgeon, 1; Pintail, 1; Ring-necked Duck, 12; Canvas-back, 12; Lesser Scaup, 336; Am. Golden-eye, 523; Old-squaw, 2 (seen repeatedly, before and since, by many bird experts at same places; below Perugue Island; plain black wings, white on body); Hooded Merganser, 1; Am. Merganser, 341; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 47; Harlan's Hawk, 1 (seen repeatedly at Perugue; black hawk with white tail seen in close on several days); Rough-legged Hawk, 2; Golden Eagle, 1 (observed at reasonably near range for half hour on Perugue Island by Wilhelm, Chomeau, etc.; definite white mark in each wing, black edged or banded white tail); Bald Eagle, 63; Marsh Hawk, 10; Sparrow Hawk, 42; Bob-white, 53; Herring Gull, 262; Ring-billed Gull, 42; Mourning Dove, 146; Barred Owl, 5; Belted Kingfisher, 3; Yellow-shafted Flicker, 59; Pileated Woodpecker, 5; Red-bellied Woodpecker, 84; Red-headed Woodpecker, 8 (notable drop from last year; the concentration at that time was not confiined to this region; other reports indicated unusual abundance at an 800-tree Pecan Grove near Michael, others at Pearl, Mozier, and so on, and at Carpenter Park, Springfield; only a scattering of them at these places this year); Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 42; Downy Woodpecker, 155; Horned Lark, 10; Blue Jay, 51; Am. Crow, 1136; Black-capped Chickadee, 130; Tufted Titmouse, 127; White-breasted Nuthatch, 53; Brown Creeper, 8; Winter Wren, 2; Carolina Wren, 51; Mockingbird, 9; Am. Robin, 17; Eastern Bluebird, 55; Golden-crowned Kinglet, 4; Cedar Waxwing, 114; Gray Shrike, 1 (seen and checked at close range and at other times); Loggerhead Shrike, 2; Common Starling, 1374; Myrtle Warbler, 2; House Sparrow, 1130; European Tree Sparrow, 12; Eastern Meadowlark, 11; Red-winged Blackbird, 300; Rusty Blackbird, 7; Purple Grackle (Bronzed), 456; Cardinal, 535; Indigo Bunting, 1 (seen for half hour by Bremser, *et al.*, at very close angle; observed by 11 other experts on Dec. 31 and Jan. 1, and checked by Father Link; yellow-brown over-all, bluish tail, touches of blue on wings, and where wind blew up under feathers; perky crest, actions, "spit" call-note; seems to feed on broken corn; had it wing-bars [conspicuous] it could have been the Lazuli Bunting reported here a few weeks ago); Am. Goldfinch, 6 ; Slate-colored Junco, 824; Am. Tree Sparrow, 682; Field Sparrow, 2; White-crowned Sparrow, 26; White-throated Sparrow, 14; Fox Sparrow, 5; Swamp Sparrow, 10; Song Sparrow, 100; Lapland Longspur, 56. **Total,** 73 species; 10,991 individuals. Don Ball, Herbert Ball, Mrs. Herbert Ball, Jackye Ball, Kenneth Bashore, Don Braun, Wm. Bremser, Jr., Dolores Bright, Frank Brochil, Jack Buese, Carla Caldwell, Geo. W. Cameron, John Chomeau, H. C. Hamberg, Mrs. H. C. Hamberg, Mrs. Corida Hanna, Raymond Handing, Chester

Harris, O. C. K. Hutchinson, Mrs. O. C. K. Hutchinson, Mrs. R. McK. Jones, II, Paul E. Lamendola, Charles Laun, G. W. Lenny, Jr., Mrs. G. W. Lenny, Jr., Tony Liebig, Rev. Geo. M. Link, James McBurney, Jr., Henry A. McGinnis, Mary Nobel, Mrs. Pete A. Pakey, Dick Pfeiffer, Mrs. Wm. Stelbrink, Mrs. Neil Waterbury, Allan Weber, Joan Weber, Mrs. Fred Weber, Eugene Wilhelm, Marion Wilhelm, Gerry Zipprich.

278. River Forest (Cook Co.), Ill and Lake Michigan (Forest Preserve areas and farmlands adjoining Des Plaines River between Madison St. and North Ave; Chicago lake front between Lincoln Park and Burnham Park; deciduous woodlands 50%, lakefront 35%, open farmlands 10%, shrubby fields 5%).—Dec. 24; 7:30 a.m. to 4 p.m. Clear; temp. 21° to 19°; wind NW, 10-32 m.p.h.; ground covered with 4-6-in. crusted snow; river frozen. Two observers in 1 party. Total party-hours, 8½ (6½ on foot, 2 by car); total party-miles, 23 (7 on foot, 16 by car). Mallard, 12; Am. Golden-eye, 216; Old-squaw, 600 (est.); Sparrow Hawk, 1; Ring-necked Pheasant, 7; Herring Gull, 222; Ring-billed Gull, 146; Bonaparte's Gull, 41; Hairy Woodpecker, 3; Downy Woodpecker, 14; Am. Crow, 20; Black-capped Chickadee, 29; Tufted Titmouse, 6; White-breasted Nuthatch, 4; Brown Creeper, 7; Am. Robin, 2; Golden-crowned Kinglet, 5; Common Starling, 10; House Sparrow, 66; Cardinal, 11; Am. Goldfinch, 2; Slate-colored Junco, 18; Am. Tree Sparrow, 15; Song Sparrow, 17. **Total,** 24 species about 1474 individuals.—N. B. Bowman, A. C. Montague (compiler).

279. Rockford, Ill. (same area as last year but more extensively covered; open fields and farms 30%, creek and river borders 20%, deciduous woodlands 30%, coniferous plantings 5%, marshland and riverbottoms sloughs 15%).—Dec. 24; 6:30 a.m. to 5 p.m. Clear all day; temp. 24° at start to 12° at close; wind W by NW, 20-25 m.p.h.; ground covered by 1-ft. 3-in. snow with deep drifts; rivers and streams frozen except in swift areas, spring-fed streams open; sloughs frozen. Twenty observers: 17 in 7 parties and 4 at feeding stations. Total party-hours, 55 (41 by foot, 14 by car); total party-miles, 181 (56 by foot, 125 by car). Great Blue Heron, 1; Mallard, 17; Green-winged Teal, 1; Hooded Merganser, 1; Red-breasted Merganser, 1; Goshawk, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 25; Red-shouldered Hawk, 4; Rough-legged Hawk, 4; Bald Eagle, 2; Marsh Hawk, 2; Sparrow Hawk, 2; Bob-white, 22; Ring-necked Pheasant, 40; Wilson's Snipe, 1 (M.M., B.A.); Herring Gull, 5; Mourning Dove, 7; Screech Owl, 1; Horned Owl, 4; Long-eared Owl, 2; Short-eared Owl, 38; Belted Kingfisher, 5; Yellow-shafted Flicker, 53; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 63; Blue Jay, 49; Am. Crow, 464; Black-capped Chickadee, 131; Tufted Titmouse, 25; White-breasted Nuthatch, 46; Brown Creeper, 11; Am. Robin, 12; Eastern Bluebird, 3; Golden-crowned Kinglet, 19; Cedar Waxwing, 17; Common Starling, 5641 (5300 est. at roost); House Sparrow, 2288 (2000 est. at roost); Western Meadowlark, 8; Rusty Blackbird, 1; Brown-headed Cowbird, 1; Cardinal, 59; Am. Goldfinch, 74; White-winged Junco, 1 (wing bar noted—D.S., J.S.); Slate-colored Junco, 256; Tree Sparrow, 153; Field Sparrow, 1; White-throated Sparrow, 1; Fox Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 17; Lapland Longspur, 100 (est. of 1 large flock); Snow Bunting, 1. **Total,** 56 species; about 9716 individuals. (Seen in area Dec. 23: Barred Owl, 1; Dec. 25: Horned Lark [Northern], 9; Dec. 26: Purple Grackle [Bronzed], 1.)—Bob Anderson, Bob Angle, Bill Baker, Donny Bennett, Harold E. Bennett, Paul E. Boynton, Milton Carter, Francis Colehour, Leland Ellis, Lee Grover Johnson (compiler), Milton Mahlburg, Mr. and Mrs. William Monnier, Don S. Prentice, Mrs. Smith Prentice, David Seal, John Sheagren, Patricia Snider, Jesse R. Stasch, Bud Taylor (North Central Illinois Ornithological society).

280. Southeastern Cook Co., Ill. (Little Calumet River, Green Lake, Eggers Woods, Lake Calumet, Lakefront Park, Calumet Park; deciduous woods 66%, cattail marsh 16%, dump and slag fill 16%, lake shore 2%).—Dec. 27; 7 a.m. to 3:30 p.m. Clear; temp. -12° to 8°; wind SW to S, 0-7 m.p.h.; ground covered with 10-in. fresh snow over 1-6-in. crusted snow; all water frozen. Three observers in 1 party. Total party-hours, 8½ (5½ on foot, 3 by car); total party-miles, 41 (6 on foot, 35 by car). Am. Golden-eye, 12; unidentified buteo, 1; Sparrow Hawk, 3; Bob-white, 13; Ring-necked Pheasant, 2; Herring Gull 22; Ring-billed Gull, 2; unidentified gulls, 500 (est.); Yellow-shafted Flicker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 11; Blue Jay, 11; Am. Crow, 12; Tufted Titmouse, 6; Golden-crowned Kinglet, 2; Common Starling, 1043 (1000 est. 43); House Sparrow, 148; Red-winged Blackbird, 2; Cardinal, 20; Purple Finch, 12; Am. Goldfinch, 9; Slate-colored Junco, 23; Am. Tree Sparrow, 2; Song Sparrow, 9. **Total,** 23 species; about 1869 individuals. (Seen in area Dec. 23: Marsh Hawk, 1; Red-shouldered Hawk, 1.)—Hubert Davis, Marvin Davis, R. Phillips.

281. Urbana, Ill. (Sangamon River bottoms, morning; Brownfield and Trelease Woods and upland prairie, afternoon).—Dec. 26; 8:30 a.m. to 4:30 p.m. Clear; temp. 17° to 15°; wind N, 20 m.p.h.; ground snow covered. Seven observers in 2 to 3 parties. Total party-hours, 13 (10 on foot, 3 by car); total party-miles, 43 (8 on foot, 35 by car). Red-tailed Hawk, 3; Rough-legged Hawk, 5; Marsh Hawk, 3; Sparrow Hawk, 2; Bob-white, 5; Mourning Dove, 18; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 35; Blue Jay, 18; Am. Crow, 900; Black-

capped Chickadee, 40; Tufted Titmouse, 30; White-breasted Nuthatch, 14; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 4; Am. Robin, 1; Golden-crowned Kinglet, 14; Common Starling, 1100; House Sparrow, 225; Purple Grackle, 1; Cardinal, 28; Purple Finch, 14; Slate-colored Junco, 82; Am. Tree Sparrow, 7; Song Sparrow, 11. **Total,** 29 species; 2580 individuals.—Ross Bell, Stephen Emerson, Jacquelin Luce, Wilbur Luce, Harold R. Wanless, George Wilms, Ralph E. Yeatter.

282. Vermilion County, Ill. (Eight different localities including Lake Vermilion, Kickapoo State Park, several farms and towns; pasture 20%, lake shore 10%, town suburbs 10%, deciduous woods 50%, country roads 10%).—Dec. 31; 9 a.m. to 5 p.m. Cloudy; temp. 20° to 25°; wind slight; ground covered with 4-6-in. crusted snow. Twenty-two observers in 7 parties. Total party-hours, 12 (9 on foot, 3 by car); total party-miles, 50 (10 on foot, 40 by car). Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Bobwhite, 30; Ring-necked Pheasant, 13; Herring Gull, 1; Mourning Dove, 7; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 7; Blue Jay, 26; Am. Crow, 127; Black-capped Chickadee, 22; Tufted Titmouse, 57; White-breasted Nuthatch, 1; Winter Wren, 1; Carolina Wren, 2; Am. Robin, 2; Eastern Bluebird, 5; Golden-crowned Kinglet, 2; Cedar Waxwing, 7; Common Starling, 103; House Sparrow, 269; Eastern Meadowlark, 11; Cardinal, 29; Purple Finch, 2; Slate-colored Junco, 134; Song Sparrow, 25. **Total,** 30 species; 903 individuals.—Mr. and Mrs. H. A. Anderson, Clarence Baum, Therese Clem, Mrs. Mel Coutant, Mr. and Mrs. Russell Duffin, Russell Duffin, Jr., Mrs. William Fulton, Mrs. Finley Hogbin, Mr. and Mrs. James Hornor, Mrs. Frank Johnson, Charles Perkins (Vermilion County Audubon Society) [names of 8 other observers not given—Ed.].

283. Waukegan, Ill. (9 miles along Lake Michigan from Johnson plant to Dunes State Park woods and fields back of lake shore to Route 41; lake shore 50%, marshes 10%, open fields 20%, small woodlots 20%).—Dec. 28; 7 a.m. to 4:15 p.m. Clear; temp. 18° to 23°; wind SSE, 8 m.p.h.; ground covered with 10-in. snow, lake open for two miles out. Two observers in 1 party. Total party-hours, 9¼ (5¼ on foot, 4 by car); total party-miles, 24 (9 on foot, 15 by car). Red-throated Loon, 1; Canvas-back, 1; Am. Golden-eye, 5213 (5000 est., 213); Old-squaw, 23; Am. Merganser, 821 (750 est., 71); Red-tailed Hawk, 5; Sparrow Hawk, 2; Ring-necked Pheasant, 7; Herring Gull, 56; Ring-billed Gull, 300+ (est.); Long-eared Owl, 2; Downy Woodpecker, 4; Blue Jay, 3; Am. Crow, 196; Black-capped Chickadee, 11; White-breasted Nuthatch, 2; Common Starling, 47; House Sparrow, 103; Cardinal, 5; Slate-colored Junco, 22; Am. Tree Sparrow, 184. **Total,** 21 species; 7008 individuals.—Wm. Turner, Robert Turner.

284. Appleton, Wis. (7-mile radius centering in Appleton, east and south to the lake front, west through Neenah, north to Center Swamp; city park and streets 5%, riverbank 5%, cemetery 5%, fields 15%, lake front 45%, hardwoods 5%, swamp 20%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Cloudy; temp. -16° to 10°; wind W to SW, 10-15 m.p.h.; ground covered with 12-15-in. crusted snow. Seven observers in 2 parties. Total party-hours, 9 (2 on foot, 7 by car); total party-miles, 59 (5 on foot, 54 by car). Mallard, 1; Am. Golden-eye, 85; Am. Merganser, 6; Ring-necked Pheasant, 28; Herring Gull, 3; Red-bellied Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 4; Am. Crow, 1; Black-capped Chickadee, 34; White-breasted Nuthatch, 3; Brown Creeper, 6; Common Starling, 31; House Sparrow, 156; Cardinal, 2; Slate-colored Junco, 9. **Total,** 16 species; 372 individuals. Due to the dense vapor over the lake and river in the a.m. only the ducks near shore and in the air were visible. During the following week, Black Ducks were scattered along the river from Thousand Islands to the lake at Neenah.—Mrs. H. L. Playman, Charles Scribner, Mrs. Carroll McEathron, Cora Harvey, Mrs. Dale Vawter, Jim Strieby, Mrs. Walter E. Rogers (compiler).

[Mrs. Frank J. Blick, Mrs. Fred Tessen, Mrs. C. Defferding, Mrs. Fred Guenther, Mrs. Eli Sandrin, Mrs. George Seeliger, and Bess Russell (Appleton Bird Club) made a separate count in the same area on Dec. 23, and recorded the following additional species: Black Duck, 12; European Partridge, 32; Snowy Owl, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 3; Am. Robin, 1; Cedar Waxwing, 8; White-throated Sparrow, 1. **Total,** 21 species; 574 individuals.—Ed.].

285. Green Bay, Wis. (7½-mile radius centering on Doty and Jefferson Sts., starting at Museum and including De Pere-Allouez area, West Green Bay shore and Town of Scott area; upland woods 45%, swampy woods 15%, open fields 20%, river and bay shore 20%).—Dec. 24; 7 a.m. to 2 p.m. Clear and cold; temp. 10° to 15°; wind NW, 12 m.p.h.; ground covered with 6-10-in. snow. Six observers in 3 parties. Total party-hours, 9 (6¼ on foot, 2¾ by car); total party-miles, 80½ (6½ on foot, 74 by car). Whistling Swan, 1; Mallard, 59; Black Duck, 17; Lesser Scaup, 5; Am. Merganser, 10; European Partridge, 20; Ring-necked Pheasant, 5; Herring Gull, 107; Snowy Owl, 1; Hairy Woodpecker, 5; Downy Woodpecker, 6; Blue Jay, 21; Am. Crow, 2; Black-capped Chickadee, 65; White-breasted Nuthatch, 4; Brown Creeper, 5; Golden-crowned Kinglet, 1; Common Starling, 48; House Sparrow, 360; Cardinal, 1; Common Redpoll, 1; Am. Goldfinch, 5; Slate-colored Junco, 31; Am. Tree Sparrow, 1. **Total,** 24 species; 781 individuals.—Edwin D. Cleary (compiler), Chester Krawtzyk, Paul Romig, Myron

Duquaine, Mrs. Myron Duquaine, Barbara Duquaine (Green Bay Bird Club).

286. Lake Geneva, Wis. (around lake by car, lake front 30%, cattail marsh 10%, swamps 25%, open farmland 5%, tamarack swamp 5%, deciduous woods 25%).—Dec. 26; 7:15 a.m. to 4:15 p.m. Clear; temp. 5° to 20°; wind N to NE, 5-10 m.p.h.; 10-20-in. snow; lake nearly frozen over. Two observers in 1 party. Total party-hours, 9 (8 on foot, 1 by car); total party-miles, 31 (6 on foot, 25 by car). Pied-billed Grebe, 1; Canada Goose, 1; Mallard, 35; Black Duck, 30; Canvas-back, 17; Lesser Scaup, 2; Am. Golden-eye, 150; Bufflehead, 2; Ruddy Duck, 2; Hooded Merganser, 47; Am. Merganser, 2; Red-tailed Hawk, 2; Ring-necked Pheasant, 11; Am. Coot, 6; Wilson's Snipe, 5; Herring Gull, 4; Snowy Owl, 1; Downy Woodpecker, 6; Blue Jay, 1; Am. Crow, 11; Black-capped Chickadee, 7; White-breasted Nuthatch, 1; Brown Creeper, 1; **Winter Wren,** 1 (noted at 4 ft., 1st winter record); Am. Robin, 2; Golden-crowned Kinglet, 1; Common Starling, 8; House Sparrow, 50; Rusty Blackbird, 1; Cardinal, 6; Slate-colored Junco, 15; Am. Tree Sparrow, 2; Swamp Sparrow, 1 (carefully identified at 20 ft., 2nd winter record); Song Sparrow, 3. **Total,** 34 species; 435 individuals.—Earl Anderson, C. O. Palmquist.

287. Land O'Lakes, Wis. (Land O'Lakes village and west for 15 miles along County Trunk B and side roads; town 5%, hardwood 20%, mixed hardwoods and evergreens 75%).—Dec. 29; 8-12 a.m., 1-4 p.m. Partly cloudy, clearing in afternoon; temp, 15° to 24°; wind NW, 8-12 m.p.h.; ground covered with 30-in. packed snow; water frozen. One observer. Total hours, 7; total miles, 53 (52 by car, 1 on snowshoes). Hairy Woodpecker, 4; Downy Woodpecker, 1; Blue Jay, 13; Common Raven, 5; Black-capped Chickadee, 9; Golden-crowned Kinglet, 1; House Sparrow, 2; Pine Siskin, 5; Am. Goldfinch, 150+ (some flocks not all counted); Red Crossbill, 10. **Total,** 10 species; 200+ individuals.—Fred I. Babcock.

288. Madison, Wis. (including Stephens Spring, Arboretum, Fish Hatchery, Picnic Point, Eagle Heights, Spring Harbor, wooded north shore of Lake Mendota [suburban], Yahara River, Waubesa Marsh; lake and river shoreline 10%, pasture upland 25%, plowed land 10%, suburban area 10%, oak woodlots 25%, cattail marsh 10%, grass marsh 10%).—Dec. 29; 8 a.m. to 5:30 p.m. Clear after 10 a.m.; temp. 17° to 30°; wind W, light; 12-in. snow. Fifteen observers in 6 parties. Total party-hours, 22 (5 on foot, 17 by car); total party-miles, 99 (8 on foot, 91 by car). Mallard, 138; Black Duck, 102; Am. Golden-eye, 3; Hooded Merganser, 1; Red-tailed Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 113; Am. Coot, 3; Wilson's Snipe, 3; Mourning Dove, 25; Screech Owl, 1; Barred Owl, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 21; Blue Jay, 80; Am. Crow, 84; Black-capped Chickadee, 25; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 1; Brown Creeper, 19; Am. Robin, 2; Golden-crowned Kinglet, 24; Cedar Waxwing, 16; Common Starling, 101; House Sparrow, 555; Eastern Meadowlark, 1; Red-winged Blackbird, 21; Rusty Blackbird, 1; Cardinal, 30; Purple Finch, 10; Am. Goldfinch, 5; Slate-colored Junco, 138 (including 2 Cassiar Juncos—1 collected by J.J.H.); Am. Tree Sparrow, 80; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 15. **Total,** 37 species (1 additional subspecies); 1646 individuals. (Seen during the week: Bald Eagle, 1; Horned Lark, 18.)—N. R. Barger, Mrs. N. R. Barger, Fern Bell, Mrs. Catherine Crocker, Alice Fosse, Mrs. J. J. Hickey, Alan Keitt, Mrs. R. F. Luxford, Mrs. Philip Miles, Andy Ragatz, Bill Roark, Mrs. R. A. Walker, Mrs. H. M. Williams, Bob Williams, James Zimmerman.

289. Milwaukee, Wis. (same area as in previous counts).—Dec. 30; 6:30 a.m. to 5:30 p.m. Cloudy; temp. 15° to 27°; wind NW to W, 2-8 m.p.h.; 10-12-in. snow on ground. Twenty observers in 6 parties. Total party-hours, 60 (33 on foot, 27 by car); total party-miles, 326 (31 on foot, 295 by car). Mallard, 500 (est.); Black Duck, 57; Gadwall, 2; Am. Widgeon, 2; Shoveller, 8; Redhead, 3; Canvas-back, 28; Greater Scaup, 2000 (est.); Lesser Scaup, 1000 (est.); Am. Golden-eye, 1500 (est.); Buffle-head, 73; Oldsquaw, 196; Ruddy Duck, 3; Hooded Merganser, 2; Am. Merganser, 1500 (est.); Red-breasted Merganser, 113; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Sparrow Hawk, 8; Ruffed Grouse, 1; European Partridge, 550 (est.); Ring-necked Pheasant, 200 (est.); Herring Gull, 700 (est.); Ring-billed Gull, 150 (est.); Franklin's Gull, 2 (seen in excellent light; dark wing and dark patch extending from eye around nape of neck—Mrs. A.P.B., M.LeT.); Mourning Dove, 6; Screech Owl, 1; Horned Owl, 1; Long-eared Owl, 27; Short-eared Owl, 5; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 26; Horned Lark, 40 (including 11 Northern); Blue Jay, 16; Am. Crow, 350 (est.); Black-capped Chickadee, 37; White-breasted Nuthatch, 6; Brown Creeper, 4; Am. Robin, 66; Golden-crowned Kinglet, 19; Cedar Waxwing, 26; Common Starling, 250 (est.); House Sparrow, 2000 (est.); Eastern Meadowlark, 1; Red-winged Blackbird, 3; Cardinal, 42; Pine Siskin, 1; Am. Goldfinch, 8; Eastern Towhee, 1; Slate-colored Junco, 180 (est.); Am. Tree Sparrow, 120 (est.); Song Sparrow, 12; Snow Bunting, 50 (est). **Total,** 58 species (1 additional subspecies); 11,920 individuals. (Seen in area Dec. 29: Snowy Owl, 1; Fox Sparrow, 1.)—Mrs. A. P. Balsom, D. D. Berger, Mrs. C. R. Decker, Miss M. Donald, Mrs. A. J. Erskine, Mr. and Mrs. C. P. Frister, J. Hoogerheide, R. Jankowski, Mr. and Mrs. B. D. Kaiman, K. H. Kuhn, Mrs. F. L. Larkin, M. Le Tillier, H. C. Mueller (compiler), G. Orians, J. Spears, Mr. and Mrs. A. Throne, E. Urban (John Muir Bird Club).

290. Monroe, Wis. (New Glarus Woods, wooded bottomland along the Sugar River and Pecatonica River, select fields and woods in Green County; fields 75%, river bottoms 15%, woods 10%).—Dec. 28; 7:30 a.m. to 4:45 p.m. Mostly fair; temp. 8° to 22°; wind SSW, 10-16 m.p.h.; ground covered with 12-16-in. of fresh snow. Fourteen observers in 3 parties. Total party-hours, 15 (3¼ on foot, 11¾ by car); total party-miles, 129¼ (4¼ on foot, 125 by car). Green-winged Teal, 1; Red-tailed Hawk, 13; Rough-legged Hawk, 8; Sparrow Hawk, 1; European Partridge, 11; Ring-necked Pheasant, 172; Wilson's Snipe, 2; Mourning Dove, 9; Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 5; Hairy Woodpecker, 7; Downy Woodpecker, 11; Horned Lark, 44; Blue Jay, 19; Am. Crow, 29; Black-capped Chickadee, 22; Tufted Titmouse, 4; White-breasted Nuthatch, 17; Brown Creeper, 1; Golden-crowned Kinglet, 1; Common Starling, 76; House Sparrow, 1300 (est.); Eastern Meadowlark, 9; Cardinal, 27; Am. Goldfinch, 10; Slate-colored Junco, 81; Am. Tree Sparrow, 37; Song Sparrow, 23; Snow Bunting, 4. **Total,** 32 species; about 1949 individuals. Due to the deep snow, walking was very difficult. Many of the birds were seen feeding on gravel along the roads. (Seen during the week: Bald Eagle, Common Redpoll, Lapland Longspur.)—Mr. and Mrs. E. N. Churchill, Kieth Holloway, Ralph Kofoed, Virginia Krauss, Mrs. D. E. Mings, Gordon Orians, H. L. Orians, Mrs. Franck Pickett, John Schindler, John Schindler, Jr., Lois Speich, James Weir, James Weir, Jr.

291. Seneca, Wis. (west-central Crawford County from Seneca northeast toward Mississippi River, along east side Mississippi River channel for about one-fourth mile south of Locks No. 9, below Lynxville; deciduous woodlands 40%, pasture and open farm land 10%, beaver ponds and small stream 20%, along Mississippi River channel 10%, selected river-bottom areas, 20%).—Dec. 24; 8 a.m. to 5 p.m. Temp. 10° to 11°; wind NW, 4-12 m.p.h.; 8-in. snow, most streams and water frozen. One observer. Total hours, 8 (7 on foot, 1 by car); total miles, 42 (8 on foot, 34 by car). Am. Golden-eye, 2; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 9; Am. Crow, 3; Black-capped Chickadee, 9; White-breasted Nuthatch, 7; Brown Creeper, 1; Common Starling, 16; House Sparrow, 42; Cardinal, 6; Am. Goldfinch, 16; Slate-colored Junco, 9; Am. Tree Sparrow, 9. **Total,** 16 species; 136 individuals.—Clarence Paulson.

292. Waukesha, Wis. (15-mile radius, same area as last year; 3 wooded areas in city; southwest to Kettle Moraine State Forest, along Fox River valley to Mukwonago Marsh, to Saylesville, south to Mukwonago and Big Bend; open farmlands 40%, deciduous farm woodlots 40%, tamarack swamp 4%, grassy marsh 11%, town suburbs 5%).—Dec. 23; 7 a.m. to 5 p.m. Cloudy to clear; temp. 24° to 35°; wind W, 3-15 m.p.h.; ground covered 24-in. snow; 2 large springs open but river partly frozen. Thirteen observers (5 at feeding stations) in 4 parties. Total party-hours, 35 (19 on foot, 16 by car); total party-miles, 190 (18 on foot, 172 by car). Great Blue Heron, 1; Mallard, 45; Black Duck, 78; Lesser Scaup, 1; Am. Golden-eye, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 18; Rough-legged Hawk, 6; Marsh Hawk, 2; Sparrow Hawk, 1; European Partridge, 83; Ring-necked Pheasant, 45; Am. Coot, 1; Mourning Dove, 30; Horned Owl, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 29; Blue Jay, 36; Am. Crow, 2871; Black-capped Chickadee, 77; White-breasted Nuthatch, 21; Brown Creeper, 1; Brown Thrasher, 1; Am. Robin, 2; Common Starling, 206; House Sparrow, 978; Eastern Meadowlark, 4; Rusty Blackbird, 1; Purple Grackle (Bronzed), 1; Cardinal, 2; Am. Goldfinch, 62; Slate-colored Junco, 202; Oregon Junco, 1 [no details—Ed.]; Am. Tree Sparrow, 229; Song Sparrow, 9; Lapland Longspur, 4; Snow Bunting, 1. **Total,** 39 species; 5067 individuals.—Vincent Batha, Theodore G. Wilder, Mary Sydow, Mary Nelson, Robert Zimmerman, Paul W. Hoffmann, Olive Compton, Charles E. Nelson, Jr., Roger Sohr, Emma Hoffmann, Larry Zimmerman, Robert Adams, James Selle, Elizabeth Williams, Rahn Cuthbert, Clarence Anthes, Melvin Johnson, S. Paul Jones (Benjamin F. Goss Bird Club).

293. Wausau, Wis. (1 1/5-mile radius centering at Strollers Lane Bridge; covering cemeteries east of Grand Ave. and meadow of Eau Claire River flowage area east of cemeteries south to Gaywood St., Wisconsin River east bottomlands from Memorial Hospital to Lake Wausau, Marathon Park, west bank of Wisconsin River and Picnic and Oak Islands; cemetery (1/3 deciduous, 2/3 coniferous, no shrubbery) 24%, river bottomland 9%, wooded city park area along river bank 25%, virgin pine forest 15%, residential suburb 12%, meadow 15%).—Dec. 30; 7 a.m. to 4:30 p.m. Cloudy; temp. 5° to 15°; wind NW to W, 0-7 m.p.h.; ground covered with about 15-in. crusted snow, all fresh water frozen except 300 yds. of Wisconsin River immediately below power dam. Two observers in 1 party. Total party-hours, 8¼ (½ hr. by bus, 7¾ on foot); total party-miles, 8 (6 on foot, 2 by bus). Ring-necked Duck, 1; Am. Golden-eye, 12; Downy Woodpecker, 1; Blue Jay, 1; Black-capped Chickadee, 7; White-breasted Nuthatch, 2; Brown Creeper, 1; Am. Robin, 1; Golden-crowned Kinglet, 2; Northern Shrike, 2; Starling, 8; House Sparrow, 211 (150±30, 61); Am. Goldfinch, 3; Slate-colored Junco, 4. **Total,** 14 species; about 256 individuals. —Katharine C. Jones, Vincent C. Jones.

294. Duluth, Minn. (Fond du Lac to Encampment Forest along St. Louis River and Lake Su-

perior including Minnesota Point; town suburbs 20%, deciduous city parks and highway 70%, sand dunes 10%).—Dec. 31; 8 a.m. to 5 p.m. Cloudy; temp. 15° to 30°; wind NE, 10-25 m.p.h.; ground covered with 15-20-in. crusted snow; all fresh water frozen except Iake Superior. Fourteen observers in 10 parties. Total party-hours, 48 (25 on foot, 23 by car); total party-miles, 177 (33 on foot, 144 by car). Am. Golden-eye, 83; Goshawk, 1; Ring-necked Pheasant, 3; Herring Gull, 506; Horned Owl, 1; Snowy Owl, 4; Pileated Woodpecker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 33; Gray Jay, 1; Blue Jay, 29; Common Raven, 10; Am. Crow, 2; Black-capped Chickadee, 19; Red-breasted Nuthatch, 12; Brown Creeper, 1; Am. Robin, 2; Golden-crowned Kinglet, 24; Common Starling, 460; House Sparrow, 435; Cardinal, 1; Evening Grosbeak, 5; Purple Finch, 2; Pine Grosbeak, 2; Pine Siskin, 1; Am. Goldfinch, 15; Slate-colored Junco, 20; Snow Bunting, 11. **Total,** 29 species; 1695 individuals.—Mr. and Mrs. Ralph Boeder, J. K. Bronoel, Margaret Brown, Sam Cox, O. A. Finseth, Henry Gilbert, Stanley Hammer, Pershing Hofslund, M. M. Keith, Olga Lakela, Martin Mattson, Louis Peterson, Marcia Ostrander.

295. Minneapolis, Minn. (Minnesota River valley from Bass Pond to Bloomington Ferry and Lake Harriet; open farmland 40%, marshland and creek valleys 50%, city park 10%).—Dec. 31; 8 a.m. to 4 p.m. Cloudy; temp. 22° to 37°; wind SE, 10-20 m.p.h.; 14-in. old snow on level. Two observers in 1 party. Total party-hours, 8 (4 on foot, 4 by car); total party-miles, 38 (7 on foot, 31 by car). Mallard, 4; Black Duck, 15; Ring-necked Pheasant, 124; Wilson's Snipe, 1; Belted Kingfisher, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 11; Blue Jay, 8; Am. Crow, 1; Black-capped Chickadee, 27; White-breasted Nuthatch, 15; Brown Creeper, 2; Common Starling, 15; House Sparrow, 128; Red-winged Blackbird, 11; Brewer's Blackbird, 4; Cardinal, 5; Am. Goldfinch, 2; Slate-colored Junco, 44; Am. Tree Sparrow, 20. **Total,** 22 species; 444 individuals.—E. D. Swedenborg, Mrs. E. D. Swedenborg.

296. St. Paul, Minn. (area roughly 6 miles by 9 miles, including Como Park, areas along N. Hamline, N. Lexington, County Rds. E & F, Highways 36 and 96, N. Rice St., McNenemy Rd., Edgerton Rd., McNenemy Slough, Vadnais-Sucker Area, White Bear Ave., Warner Rd., State Fish Hatchery Area; farm woodlots 15%, pine forest 40%, tamarack 10%, grassy, cattail, willow, alder swamp 15%, open and weedy fields 20%).—Dec. 29; 7:45 a.m. to 4:15 p.m. Mostly clear; temp. -4° to 6°; wind WNW shifting to WSW, 8 m.p.h.; 13-in. snow on ground; all water ice-covered except parts of water canals, fish hatchery pools, and open water runs. Eight observers in 2 and 3 parties. Total party-hours, 21 (15 on foot, 6 by car); total party-miles, 68 (14 on foot, 54 by car). Mallard, 5; Am. Golden-eye, 10; Goshawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 30; Wilson's Snipe, 1; Hairy Woodpecker, 6; Downy Woodpecker, 7; Blue Jay, 20; Am. Crow, 11; Black-capped Chickadee, 85; White-breasted Nuthatch, 10; Brown Creeper, 2; Am. Robin, 1 (A.C.R.); Golden-crowned Kinglet, 4; Common Starling, 45; House Sparrow, 200; Cardinal, 4; Slate-colored Junco, 70+; Am. Tree Sparrow, 10. **Total,** 20 species; 525 individuals. J. A. Hall, Robert LaValle, Larry McEvoy, A. C. Rosenwinkel (compiler), Brother Pius, Carlyle Sather, Brother Theodore, David Thurston (St. Paul Audubon Society).

297. South St. Paul, Minn. (4-mile radius, centering Armour Ave., So. St. Paul; south to Newport Bridge, north to Mounds Park; deciduous woods 20%, open fields 5%, frozen marsh lands 20%, mixed coniferous and deciduous woods 5%, open river 50%).—Dec. 31; 9 a.m. to 4:30 p.m. Cloudy; temp. 22° to 30°; wind SSE, 10-20 m.p.h.; 12-18-in. snow; main channel of river open. Six observers in 1 party. Total party-hours, 9 (8 on foot, 1 by car); total party-miles, 20 (5 on foot, 15 by car). Mallard, 21; Am. Golden-eye, 307 (±20); Hooded Merganser, 2; Am. Merganser, 4; Ring-necked Pheasant, 16; Herring Gull, 1; Hairy Woodpecker, 3; Downy Woodpecker, 1; Blue Jay, 1; Am. Crow, 2; Black-capped Chickadee, 1; White-breasted Nuthatch, 3; Common Starling, 8; House Sparrow, 500 (±50); Cardinal, 2; Am. Goldfinch, 12; Slate-colored Junco, 2; Am. Tree Sparrow, 5. **Total,** 18 species; about 891 individuals.—Geo. G. Anderson (compiler), J. A. Hall, Sr., Caroline Larson, Genevieve Pearson, Carlyle Sather, D. Thurston (St. Paul Aud. Society).

298. Walker, Minn. (center of town to points approximately 5 miles in each direction; around Walker Bay on Leech Lake and Lake May; coniferous forest 60% [Chippewa National], the remainder cut over lands with alder, birch, and poplar stands).—Dec. 31; 9 a.m. to 4 p.m. Cloudy overcast; temp. 18° to 32°; wind S, 15 m.p.h.; ground covered with 16-in. light snow; lakes frozen. Two observers in 1 party. Total party-hours, 7 (4 on foot, 3 by car); total party-miles, 35 (5 on foot, 30 by car). Green-winged Teal, 1; Ruffed Grouse, 10; Horned Owl, 1; Snowy Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Blue Jay, 11; Black-capped Chickadee, 29; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 1; Gray Shrike, 1; House Sparrow, 50; Cardinal, 2; Red Crossbill, 12; Slate-colored Junco, 14; Snow Bunting, 70. **Total,** 19 species; 228 individuals.—Harold R. Hanson, Stanton Oman.

299. Cedar Falls, Iowa (Snag Creek, Union Bridge, Josh Higgins Park; river bottoms 50%, upland forest 10%, savannas 30%, fields 10%).—Dec. 28; 8 to 12 a.m., 1 to 4 p.m. Clear; temp.

16° to 30°; wind S, 3 m.p.h.; 4-in. snow on ground, river mostly frozen over. Three observers in 1 party. Total party-hours, 7 (5 on foot, 2 by car); total party-miles, 48 (13 on foot, 35 by car). Mallard, 4; Red-shouldered Hawk, 1; Ring-necked Pheasant, 1; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 12; Blue Jay, 15; Am. Crow, 60; Black-capped Chickadee, 35; Tufted Titmouse, 8; White-breasted Nuthatch, 9; Brown Creeper, 4; Am. Robin, 1; Cedar Waxwing, 6; Common Starling, 2; House Sparrow, 160; Red-winged Blackbird, 41; Rusty Blackbird, 1; Cardinal, 22; Am. Goldfinch, 14; Slate-colored Junco, 140; Am. Tree Sparrow, 40; Song Sparrow, 8. **Total,** 26 species; 600 individuals.—Martin L. Grant (compiler), Mrs. Russell Rugg, Frances Crouter.

300. Davenport, Iowa (Oakdale Cemetery and through fields to Duck Creek Park, along Middle Road and creek to Devils' Glen and mouth of creek; Credit Island and 2 miles of shore area along Mississippi River; open fields 45%, wooded streams 30%, deciduous woodland 25%).—Dec. 25; 7 a.m. to 4:15 p.m. Cloudy; temp. 9° to 14°; wind E, 5-15 m.p.h. in a.m. to 25-30 m.p.h. in p.m.; about an inch of snow on ground in protected spots, with some exposed areas clear of snow at start; light snow 7:30 to 11 a.m. added another half inch to that on ground; creeks and ponds frozen; river at Credit Island frozen except a few narrow open areas. Total hours, 9; total miles, 13 (on foot). Am. Golden-eye, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Ring-billed Gull, 4; Barred Owl, 2; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 7; Hairy Woodpecker, 3; Downy Woodpecker, 12; Blue Jay, 10; Am. Crow, 12; Black-capped Chickadee, 28; Tufted Titmouse, 9; White-breasted Nuthatch, 10; Brown Creeper, 3; Golden-crowned Kinglet, 3; Common Starling, 778 (750 est., 28); House Sparrow, 1157 (800 est., 357); Cardinal, 22; Slate-colored Junco, 88; Am. Tree Sparrow, 77; Song Sparrow, 2. **Total,** 22 species; about 2234 individuals. (Seen in area Dec. 30: Am. Golden-eye, 82; Am. Goldfinch, 1; Dec. 31: Bald Eagle, 4; Belted Kingfisher, 1.)—C. F. Mueller.

301. Des Moines, Iowa (Ashworth Park, Impounding Reservoir, Kinglet Woods, 28th St. Sanctuary, Chas. Sing Denman Woods, Crocker Woods, Waukonsa, Walnut and Dove Woods, Pine Hill Cemetery, Sycamore Park, Fisher's and Gray's lakes; open fields 35%, wooded streams 35%, lakeside 30%).—Dec. 30; 8 a.m. to 5 p.m. Clear; temp. 24° to 41°; wind S, 9 to 10 m.p.h.; 2-in. snow in shade, water frozen but some open water in reservoir. Twenty-two observers in 6 parties. Total party-hours, 40 (33 on foot, 7 by car); total party-miles, 178 (35 on foot, 143 by car). Mallard, 1500 (est.); Black Duck, 15; Pintail, 4; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 5; Rough-legged Hawk, 2; Sparrow Hawk, 4; Bob-white, 29; Ring-necked Pheasant, 3; Mourning Dove, 22; Screech Owl, 1; Horned Owl, 1; Barred Owl, 5; Long-eared Owl, 2; Saw-whet Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 15; Red-bellied Woodpecker, 29; Red-headed Woodpecker, 4; Hairy Woodpecker, 16; Downy Woodpecker, 88; Blue Jay, 66; Am. Crow, 77; Black-capped Chickadee, 230; Tufted Titmouse, 125; White-breasted Nuthatch, 81; Red-breasted Nuthatch, 1; Brown Creeper, 12; Am. Robin, 1; Eastern Bluebird, 13; Golden-crowned Kinglet, 3; Cedar Waxwing, 52; Common Starling, 121; House Sparrow, 700 (est.); Red-winged Blackbird, 1; Purple Grackle, 1; Cardinal, 188; Pine Siskin, 8; Am. Goldfinch, 192; Slate-colored Junco, 303; Am. Tree Sparrow, 850 (est.); Song Sparrow, 6. **Total,** 43 species; about 4783 individuals. (On Dec. 31 a male and female Red Crossbill were observed by Albert Berkowitz and Woodward Brown in a flock of Cedar Waxwings which had been reported the day before in Chas. Sing Denman Woods.)—A. C. Berkowitz, Lynn Willcockson, Bruce Berger, Woodward H. Brown, Mrs. Toni Wendelburg, Oliver Graves, Mrs. Jos. Chamberlain, Geo. McGill, Dick Hanson, Clark Cochrane, Ronnie Battrick, Miss Olivia McCabe, Miss Dorothy Anderson, Miss Ruth Chapman, Mrs. Al. Rinsfeld, Mrs. Janetta DuMont, Miss Irene Smith, Mrs. Harold Peasley, Mr. and Mrs. Lester Haskell, Miss Mary Ellen Warters, Bruce Stiles.

302. Dubuque, Iowa. (Linwood and Mt. Calvary Cemeteries, Eagle Point Park, City Island, Mississippi River sloughs in Wisconsin; open fields 10%, coniferous woodlands 15%, deciduous woodlands 40%, river sloughs 35%).—Dec. 31; 8 a.m. to 4:30 p.m. Overcast; temp. 22° to 30°; wind S, light; 8-in. snow; river open 300 yds. below the dam. Twelve observers in 1 party. Total hours, 7½ (7 on foot, ½ in cars); total miles, 9 (7 on foot, 2 by car). Am. Golden-eye, 27; Red-shouldered Hawk, 1; Bald Eagle, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 19; Am. Crow, 184; Black-capped Chickadee, 9; Tufted Titmouse, 1; White-breasted Nuthatch, 7; Brown Creeper, 3; Golden-crowned Kinglet, 5; Cedar Waxwing, 46; Common Starling, 7; House Sparrow, 23; Cardinal, 14; Slate-colored Junco, 45; Am. Tree Sparrow, 4; **Total,** 22 species; 416 individuals. (Seen in the area Dec. 11: 4 Red Crossbills.)—Janet Birch, Henry Herrmann, Richard Herrmann, Clifford Johnson (compiler), Amota Lampe, Lois Lampe, R. K. Lampe, Jack Landshulz, William Landshulz, Eugene Thielen, Mary Wiley, Ralph Wiley (Dubuque Audubon Club).

303. Iowa City, Iowa (7½-mile radius north from Iowa City including the Iowa River, Lake Macbride and Swan Lake Marsh; open farmland 60%, wooded hills 20%, river bottoms 10%, marsh 10%).—Jan. 1; 7 a.m. to 5 p.m. Clear;

temp. 30° to 40°; wind SE to W, 5 m.p.h.; 3-in old crusted snow, melting by noon. Six observers in 2 parties. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 70 (10 on foot, 60 by car). Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Bob-white, 6; Mourning Dove, 3; Barred Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 11; Hairy Woodpecker, 2; Downy Woodpecker, 11; Horned Lark, 1; Blue Jay, 14; Am. Crow, 20; Black-capped Chickadee, 38; Tufted Titmouse, 21; White-breasted Nuthatch, 11; Brown Creeper, 5; Winter Wren, 1; Am. Robin, 3; Eastern Bluebird, 1; Common Starling, 26; House Sparrow, 79; Eastern Meadowlark, 5; Cardinal, 22; Am. Goldfinch, 53; Slate-colored Junco, 121; Am. Tree Sparrow, 132; Fox Sparrow, 2; Song Sparrow, 3. **Total,** 32 species; 616 individuals.—Tom Kent (compiler), F. W. Kent, Dr. and Mrs. Peter Laude, James Ostdiek, Paul VerVais.

304. Mount Vernon, Iowa (12-mile diameter from Mt. Vernon, including old golf course, Muskrat Slough, Ivanhoe, Dark Hollow in Palisades-Kepler State Park and parking area east of Cedar River; open farmland 50%, town 10%, marsh 10%, park woodland 30%).—Jan. 1; 8:30 a.m. to 5:30 p.m. Cloudy; temp. 30° to 36°; wind 0-5 m.p.h.; light snow on ground; river and creeks largely frozen. One observer. Total hours, 8 (7 on foot, 1 by car); total miles, 48 (6 on foot, 42 by car). **Great Blue Heron,** 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 15; Mourning Dove, 22; Horned Owl, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 5; Am. Crow, 16; Black-capped Chickadee, 11; Tufted Titmouse, 3; White-breasted Nuthatch, 4; Winter Wren, 1; Am. Robin, 6; Common Starling, 23; House Sparrow, 151; Eastern Meadowlark, 1; Purple Grackle, 2; Cardinal, 6; Am. Goldfinch, 2; Slate-colored Junco, 47; Am. Tree Sparrow, 73. **Total,** 27 species; 409 individuals. (The Great Blue Heron had been observed in the neighborhood of the Palisades Park for 2 weeks by local farmers; this is the only winter record of this species locally.)—J. Harold Ennis.

305. Newton, Iowa (from Westwood Park south along Cherry Creek to South Skunk River, back through fields; pasture 30%, creek timbered undergrowth 40%, virgin timbered river bottom 20%, town suburbs 10%).—Jan. 1; 8 a.m. to 5:15 p.m. Clear; temp. 31° to 30°; wind WNW, 1-5 m.p.h.; ground almost clear of snow; water frozen. Nine observers in 2 parties. Total party-hours, 18 (17½ on foot, ½ by car); total party-miles, 43 (40 on foot, 3 by car). Red-tailed Hawk, 2; Marsh Hawk, 1; Ring-necked Pheasant, 5; Mourning Dove, 4; Barred Owl, 2; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 14; Horned Lark, 34; Blue Jay, 6; Am. Crow, 25; Black-capped Chickadee, 26; Tufted Titmouse, 8; White-breasted Nuthatch, 5; Brown Creeper, 1; Common Starling, 43; House Sparrow, 115; Eastern Meadowlark, 28; Cardinal, 30; Slate-colored Junco, 45; Am. Tree Sparrow, 50; Song Sparrow, 2. **Total,** 23 species; about 459 individuals.—John Paul Moore, James Gaylor, Ralph Agar, Konnie Yoshinaga, Mass Yoshinaga, Robert Lloyd, Fred Martin, Ivan Lee Moore, Larry Moore (Newton Bird & Nature Club).

306. Sanborn, Iowa (7½-mile radius centering on Main St. and U. S. Highway 18; pasture 25%, plowed land 25%, residential area 10%, farm woodlots 20%, cottonwood groves 5%, frozen marsh 15%).—Dec. 27; 7 a.m. to 5 p.m. Partly cloudy; temp. 5° to 20°; wind W to NW, 10-15 m.p.h.; no snow, except along fence rows, creeks frozen. One observer. Total hours, 9 (2 on foot, 7 by car); total miles, 95 (5 on foot, 90 by car). Rough-legged Hawk, 14; Marsh Hawk, 5; Ring-necked Pheasant, 30; Short-eared Owl, 3; Hairy Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 224; Blue Jay, 6; Am. Crow, 538; Black-capped Chickadee, 15; White-breasted Nuthatch, 3; Brown Creeper, 2; Common Starling, 55; House Sparrow, 195; Western Meadowlark, 1; Am. Goldfinch, 37; Slate-colored Junco, 7; Am. Tree Sparrow, 57; Lapland Longspur, 950. **Total,** 19 species; 2147 individuals. (Seen in area Dec. 26: Yellow-shafted Flicker, 4.)—Robert F. Gruenewald.

307. Sioux City (Woodbury Co.), Iowa (15-mile diameter; deciduous timber woodland and park areas 40%, coniferous cemetery and park areas 5%, river and lake country, wooded streams, marsh country 30%, open fields and open country 15%, city and suburban area 10%).—Dec. 31; 7 a.m. to 5 p.m. Lightly overcast; temp. 28° to 47°; wind SSE, 5-12 m.p.h.; ground mostly bare, patches of snow and ice from Dec. 2 storm, lakes and rivers mostly frozen over, Big Sioux open south of S. C. Gas plant, Brown's Lake open for about 5 acres across from Hall's Beach, Missouri River frozen over, marshes entirely frozen. Thirty-nine observers in 21 parties. Total party-hours, 86 (70 on foot, 16 by car); total party-miles, 398 (66 on foot, 332 by car). **Mallard,** 5004 (5000 est., 4); Red-tailed Hawk, 7; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; **Bob-white,** 18; Ring-necked Pheasant, 6; Screech Owl, 1; Horned Owl, 3; **Long-eared Owl,** 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 33; Red-bellied Woodpecker, 8; **Red-headed Woodpecker,** 5; Hairy Woodpecker, 29; Downy Woodpecker, 60; Blue Jay, 24; Am. Crow, 2399 (2000 est., 399); Black-capped Chickadee, 271; White-breasted Nuthatch, 45; Red-breasted Nuthatch, 2; Brown Creeper, 26; **Am. Robin,** 770 (500 est., 270); Eastern Bluebird, 10; Golden-crowned Kinglet, 7; **Cedar Waxwing,** 97; Gray Shrike, 1; Common Starling, 256; House Sparrow, 1389 (1000 est., 389); Red-

winged Blackbird, 1; **Purple Grackle,** 12; **Brown-headed Cowbird,** 15; Cardinal, 38; Pine Siskin, 26; Am. Goldfinch, 45; **Red Crossbill,** 22; Slate-colored Junco, 295; **Am. Tree Sparrow,** 540 (200 est., 340); **Harris's Sparrow,** 30; Song Sparrow, 1. **Total,** 40 species; about 11,502 individuals. (Seen in area Jan. 1: Western Meadowlark, 12.)—Zell C. Lee (compiler), John H. Adair, Herrold Asmussen, W. W. Barrett, Bill Brauer, Don Bushar, Mr. and Mrs. Harold H. Cline, Phil Cline, Russell Cline, Mr. and Mrs. E. A. Emery, Tom Deedrick, Hazel Herman, Mr. and Mrs. R. A. Jensen, Bill Johnson, Karl Kuhlmann, Adaline Lambert, Mr. and Mrs. Frank E. Martine, Althea Moore, L. Nickolson, Bob Nickolson, I. G. Nore, Richard Olson, Bertha Reese, Mrs. R. F. Remer, Bernice Scantlebury, Mr. and Mrs. A. H. Schatz, Alan Schatz, Kathleen Schatz, Julia Schott, Mr. and Mrs. Leo Stoupe, Dean Swearingen, Gertrude Weaver, Carl Wellhausen (Sioux City Bird Club).

308. Waterloo, Iowa (northern part of Black Hawk County and adjoining Bremer County; area 15 miles in diameter; farmland and roadsides 48%, swampy land along Crane Creek, willows 13%, Wapsipinicon River bottom; shagbark hickory-black birch 26%, Denver big woods, red oak-sugar-maple-basswood 13%).—Dec. 28; 8 a.m. to 3:45 p.m. Clear; temp. 10° to 28°; wind SW to S., 10-25 m.p.h.; ground covered with 12-in. snow, some loose snow over crust, no open water. Five observers in 1 party. Total party-hours, 7¾ (4½ on foot, 3¼ by car); total party-miles, 74 (6¼ on foot, 67¾ by car). Red-tailed Hawk, 2; Rough-legged Hawk, 3; Ring-necked Pheasant, 76; Red-bellied Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 17; Horned Lark, 12; Blue Jay, 13; Am. Crow, 109; Black-capped Chickadee, 20; White-breasted Nuthatch, 8; Common Starling, 5; House Sparrow, 116 (80 est., 36); Eastern and Western Meadowlark, 19; Purple Grackle, 1; Cardinal, 19; Am. Goldfinch, 1; Slate-colored Junco, 83; Am. Tree Sparrow, 108; Fox Sparrow, 1; Song Sparrow, 4. **Total,** 21 species; about 621 individuals.—Jack Heifner, Myrle M. Burk, Mrs. John Barlow, Helen G. King, Mrs. Harold B. Brown (Waterloo Audubon Society).

309. Kansas City, Mo. and Kans. (7½-mile radius centering in Argentine, Kans., to include Greater K. C.; cultivated land 25%, deciduous wooded lakes 25%, deciduous woodland 15%, coniferous groves 10%).—Dec. 24; 7:30 a.m. to 5 p.m. Partly cloudy; temp. 30° to 40°; wind S, 0-10 m.p.h.; ground bare; water 50% frozen. Ten observers in 4 parties. Total party-hours, 30 (24 on foot, 6 by car); total party-miles, 175 (35 on foot, 140 by car). Mallard, 10,500; Black Duck, 14; Gadwall, 29; Am. Widgeon, 2; Pintail, 12; Green-winged Teal, 3; Am. Golden-eye, 4; Am. Merganser, 80; Sharp-shinned Hawk, 4; Red-tailed Hawk, 9; Rough-legged Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 5; Bob-white, 8; Harlan's Hawk, 1; Am. Coot, 1; Killdeer, 1; Wilson's Snipe, 2; Mourning Dove, 2; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 48; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 52; Blue Jay, 132; Am. Crow, 10,500; Black-capped Chickadee, 212; Tufted Titmouse, 123; White-breasted Nuthatch, 5; Brown Creeper, 7; Winter Wren, 1; Carolina Wren, 14; Am. Robin, 7; Eastern Bluebird, 30; Golden-crowned Kinglet, 34; Ruby-crowned Kinglet, 2; Cedar Waxwing, 67; Loggerhead Shrike, 1; Common Starling, 3500; House Sparrow, 375; Eastern Meadowlark, 1; Western Meadowlark, 70; Red-winged Blackbird, 14; Brewer's Blackbird, 15; Brown-headed Cowbird, 30; Purple Grackle (Bronzed), 1; Cardinal, 97; Evening Grosbeak, 1; Purple Finch, 1; Pine Siskin, 1; Am. Goldfinch, 128; Red Crossbill, 51; Spotted Towhee, 8; Slate-colored Junco, 540; Oregon Junco (Montana), 2; Am. Tree Sparrow, 850; Harris's Sparrow, 13; White-throated Sparrow, 4; Fox Sparrow, 4; Lincoln's Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 128. **Total,** 66 species; 27,803 individuals. (Seen in area, Dec. 23 through Jan. 1: Screech Owl, Ring-billed Gull, Red-shafted Flicker, Long-eared Owl, Horned Lark [Prairie], Red-shouldered Hawk, Brown Thrasher.)—Harold Hedges, Ben King, Rilla Hammat, Dick Dawson, Bill Buckingham, R. L. Brown, H. E. Schoen, Nathan Fay, Christine Fay, John Bishop.

310. Portage des Sioux, Mo. (including Peruque, Marais Temp Clair, Weber Lake, and West Alton; deciduous woods 30%, farmland 25%, river and lakes 40%, marshland 5%).—Dec. 31; 8 a.m. to 4 p.m. Clear; temp. 20° to 45°; wind SW to W, 5 m.p.h.; all lakes frozen, ground bare. Twelve observers in 4 parties. Total party-hours, 24 (4 on foot, 20 by car); total party-miles, 160 (15 on foot, 145 by car). Double-crested Cormorant, 200; Mallard, 202; Black Duck, 14; Pintail, 7; Redhead, 7; Lesser Scaup, 1; Am. Golden-eye, 205; Am. Merganser, 67; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 9; Harlan's Hawk, 1 (E.W., B.B.); Red-shouldered Hawk, 4; Bald Eagle, 17; Marsh Hawk, 7; Sparrow Hawk, 33; Herring Gull, 764; Ring-billed Gull, 585; Horned Owl, 4 (N.S., D.J.); Barred Owl, 1; Long-eared Owl, 10 (E.W.); Yellow-shafted Flicker, 16; Pileated Woodpecker, 1; Red-bellied Woodpecker, 39; Hairy Woodpecker, 2; Downy Woodpecker, 30; Horned Lark, 108; Blue Jay, 13; Am. Crow, 315; Black-capped Chickadee, 21; Tufted Titmouse, 17; White-breasted Nuthatch, 11; Brown Creeper, 6; Carolina Wren, 6; Mockingbird, 2; Eastern Bluebird, 3; Golden-crowned Kinglet, 1; Cedar Waxwing, 20; Loggerhead Shrike, 3; Common Starling, 374; House Sparrow, 287; European Tree Sparrow, 21; Eastern Meadowlark, 52; Red-winged Blackbird, 6; Rusty Blackbird, 25; Purple Grackle, 4; Cardinal, 20; Evening Grosbeak, 1; Purple Finch, 4; Am. Goldfinch, 43; Slate-colored Junco, 60; Am. Tree Sparrow, 369; White-

throated Sparrow, 2; Swamp Sparrow, 11; Song Sparrow, 11; Lapland Longspur, 138. **Total,** 56 species; about 4183 individuals.—Bill Bremser, Helen Einspanier, Helena Enzenauer, Bill Groth, Mrs. Joseph Hail, Joseph Hail, Charles Hail, Helen Henke, David Jones, Nick Short, Eugene Wilhelm (compiler), Ethel Wolfe (St. Louis Audubon Society).

311. Ranken (St. Louis Co.), Mo. (tract between Valley Park and Eureka 6 miles long, 4 miles wide (now a Boy Scout Reservation); also vicinity of Glencoe; deciduous woods 50%, open valleys bordering spring-fed creeks and Meramec River 32%, red cedar groves 5%, farmland 12%, water 1%).—Dec. 31; 7:30 a.m. to 4 p.m. Clear. temp. 18° to 48°; wind SW, 0-7 m.p.h.; ground bare, some creeks frozen. Fifteen observers in 3 parties. Total party-hours, 20½ (on foot); total party-miles, 21 (on foot). Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Pigeon Hawk, 1; Sparrow Hawk, 2; Bob-white, 24; Killdeer, 10; Wilson's Snipe, 4; Screech Owl, 2; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Pileated Woodpecker, 4; Red-bellied Woodpecker, 22; Hairy Woodpecker, 4; Downy Woodpecker, 15; Blue Jay, 20; Am. Crow, 14; Carolina Chickadee, 34; Tufted Titmouse, 54; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 1; Brown Creeper, 1; Carolina Wren, 15; Mockingbird, 2; Am. Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 34; Golden-crowned Kinglet, 8; Cedar Waxwing, 35; Common Starling, 11; Myrtle Warbler, 2; House Sparrow, 41; Cardinal, 54; Am. Goldfinch, 34; Eastern Towhee, 1; Slate-colored Junco, 234; Am. Tree Sparrow, 44; White-throated Sparrow, 3; Song Sparrow, 25. **Total,** 39 species; 784 individuals.—Sam Alfend, Buelah Bedell, James Comfort, J. Earl Comfort, James Eaton, Wm. Groth, James Jackson, Brother Huber Lewis, D. Robert Mann, Cornelius Morgan, Julian Neill, Nettie Palm, Waldemar Palm, Francis Pickel, Thelma W. Thabreger (Webster Groves Nature Study Society).

312. Springfield, Mo. (new tract, on the southern border of last year's tract; country hilly and rocky; deciduous woods, mostly post oak, with a few cedars and many sycamores on river 50%, weedy and overgrown fields 40%, James River 5%, farmland 5%).—Dec. 29; 8:45 a.m. to 6:15 p.m. Clear; temp. 29° to 42°; wind S, 4-7 m.p.h. Two observers in 1 party. Total party-hours, 9½ (7 on foot, 2½ by car); total party-miles 13 (5 on foot, 8 by car). Cooper's Hawk, 1; Red-tailed Hawk, 9; Marsh Hawk, 5; Sparrow Hawk, 4; Bob-white, 2; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 11; Blue Jay, 16; Am. Crow, 79; Carolina Chickadee, 11; Tufted Titmouse, 15; White-breasted Nuthatch, 6; Brown Creeper, 1; Carolina Wren, 4; Mockingbird, 2; Eastern Bluebird, 3; Loggerhead Shrike, 4; Common Starling, 17; House Sparrow, 36; Eastern Meadowlark, 10; Cardinal, 16; Am. Goldfinch, 2; Slate-colored Junco, 22; Chipping Sparrow, 2; Field Sparrow, 4; White-throated Sparrow, 1. **Total,** 34 species; 297 individuals.—Mrs. Ralph Eisenmayer, Betty Eisenmayer (compiler).

313. Squaw Creek National Wildlife Refuge (Holt Co.), Mo. (7000 acres; waterways 75%, marsh land 25%. Party of six both in automobile and on foot, water frozen, very windy).—Dec. 29; 8 a.m. to 3 p.m. [Weather conditions not given—Ed.]. Six observers in 1 party. Total party-hours, 7 (on foot and by car). [Total party-miles not given—Ed.]. Pied-billed Grebe, 12; Black-crowned Night Heron, 2; Canada Goose, 15,000; Snow Goose, 500; Blue Goose, 200; Mallard, 60,000; Am. Merganser, 60; Red-tailed Hawk, 8; Bald Eagle, 6; Marsh Hawk, 8; Ring-necked Pheasant, 70; King Rail, 2; Mourning Dove, 2; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 5; Blue Jay, 14; Am. Crow, 5000; Black-capped Chickadee, 50; Ruby-crowned Kinglet, 2; Common Starling, 100; Eastern Meadowlark, 2; Red-winged Blackbird, 20; Brown-headed Cowbird, 10; Cardinal, 5; Am. Goldfinch, 6; Slate-colored Junco, 100; Am. Tree Sparrow, 200; White-crowned Sparrow, 10; White-throated Sparrow, 12. **Total,** 34 species; 81,422 individuals.—William M. Wyeth, Simon Rositzky, Roy E. Coy, Fay W. Reno, Donovan L. Reynolds, Bruce Stollberg.

314. Weldon Springs, Mo. (3½-mile radius, August A. Busch Wildlife Management and Experimental Area of Mo. Conservation Com.; cultivated fields 5%, weed-grown untilled fields 75%, deciduous woods with sprinkling of red cedars 10%, deciduous wood bordered Dardenne Creek 10%).—Dec. 29; 8 a.m. to 4:30 p.m. Clear; temp. 24° to 31°; wind ESE to W, 7-5 m.p.h.; ground frozen and bare; all water frozen. Two observers in 1 party. Total party-hours, 8½ (8 on foot, ½ by car); total party-miles, 12 (9 on foot, 3 by car). Canada Goose, 25; Cooper's Hawk, 1; Red-tailed Hawk, 9; Rough-legged Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 1; Bob-white, 79; Barred Owl, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 15; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 11; Blue Jay, 4; Am. Crow, 33; Black-capped Chickadee, 6; Carolina Chickadee, 1; Tufted Titmouse, 32; White-breasted Nuthatch, 5; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 11; Mockingbird, 24; Am. Robin, 1; Eastern Bluebird, 10; Cedar Waxwing, 10; Common Starling, 4; Myrtle Warbler, 5; House Sparrow, 55; Eastern Meadowlark, 6; Red-winged Blackbird, 2; Cardinal, 83; Purple Finch, 3; Am. Goldfinch, 16; Slate-colored Junco, 544; Am. Tree Sparrow, 623; Field Sparrow, 2; White-crowned Sparrow, 12; Song Sparrow, 4. **Total,** 40 species; 1651 individ-

uals. Mockingbirds attracted by multiflora rose hedges. Chickadee species identified by call notes and markings—James F. Comfort, James Earl Comfort (compiler).

315. Texarkana, Ark.-Tex. (starting where Highway 71 crosses Red River 9 miles north of Texarkana, 4 miles in Arkansas; 12 miles in Texas, 300-acre farm 2 miles northwest of Texarkana).—Dec. 31; 7:30 a.m. to 4:30 p.m. Clear; temp. 49° to 57°; wind 15-25 m.p.h. in p.m. Five observers in 2 parties. Total party-hours, 17 (16 on foot, 1 by car); total party-miles, 44 (about 30 on foot, 14 by car). Pied-billed Grebe, 4; Great Blue Heron, 5; Mallard, 22; Ring-necked Duck, 3; Turkey Vulture, 19; Black Vulture, 34; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 3; Am. Coot, 1145 (est.); Killdeer, 17; Wilson's Snipe, 9; Belted Kingfisher, 4; Red-shafted Flicker [?—Ed.], 17; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 2; Eastern Phoebe, 2; Blue Jay, 22; Am. Crow, 73; Carolina Chickadee, 4; Tufted Titmouse, 1; Black-crested Titmouse, 2 (G.H.) [no substantiating details—Ed.]; White-breasted Nuthatch, 3; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 2; Mockingbird, 3; Brown Thrasher, 5; Am. Robin, 6; Hermit Thrush, 1; Eastern Bluebird, 26; Ruby-crowned Kinglet, 8; Cedar Waxwing, 25; Loggerhead Shrike, 12; Common Starling, 122; Myrtle Warbler, 3; House Sparrow, 55; Eastern Meadowlark, 44; Red-winged Blackbird, 410 (est.); Boat-tailed Grackle, 1000; Purple Grackle, 2500 (est.); Brown-headed Cowbird, 275; Cardinal, 76; Purple Finch, 20; Am. Goldfinch, 16; Eastern Towhee, 1; Vesper Sparrow, 1; Lark Sparrow, 5; Slate-colored Junco, 30; White-throated Sparrow, 29; Fox Sparrow, 16; Song Sparrow, 7. **Total,** 57 species; about 6117 individuals.—Jim Cook, Travis Coulter, Charles Gardner, George Hoffman, Charles Ramsey (compiler).

316. White River National Wildlife Refuge, St. Charles, Ark. (refuge headquarters south over bottoms road to demonstration area, White Lake, Frazer Lake, and fields and woods on Farm Unit, returning via State Highway No. 1 to St. Charles; bottomland hardwoods 40%, farmland and meadow 30%, lakes and bayous 15%, coppice and abandoned fields 10%, lawns and farm sites 5%).—Dec. 26; 8 a.m. to 4:30 p.m. Cloudy to partly cloudy; temp. 35° to 54°; wind S to N, 3-20 m.p.h.; ground dry, no water areas frozen. Two observers in 1 party. Total party-hours, 8½ (7½ on foot, 1 by car); total party-miles, 20 (8 on foot, 12 by car). Great Blue Heron, 1; Canada Goose, 327 (250 est., 77); Mallard, 100,031 (100,000 est., 31); Black Duck, 4; Pintail, 26; Green-winged Teal, 450 (est.); Wood Duck, 416 (400 est., 16); Turkey Vulture, 1; Black Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Golden Eagle, 2; Sparrow Hawk, 1; Bob-white, 12; Killdeer, 15; Mourning Dove, 12; Belted Kingfisher, 2; Yellow-shafted Flicker, 22; Pileated Woodpecker, 2; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 40; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 6; Eastern Phoebe, 2; Blue Jay, 21; Carolina Chickadee, 13; Tufted Titmouse, 8; Brown Creeper, 2; Winter Wren, 1; Bewick's Wren, 3; Mockingbird, 4; Brown Thrasher, 5; Am. Robin, 92; thrush (sp.) [not satisfactorally identified—Ed.], 2; Eastern Bluebird, 19; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 5; Cedar Waxwing, 26; Loggerhead Shrike, 4; Common Starling, 59; House Sparrow, 1; Eastern Meadowlark, 16; Purple Grackle, 180; Brown-headed Cowbird, 13; Cardinal, 44; Purple Finch, 5; Am. Goldfinch, 1; Eastern Towhee, 2; Savannah Sparrow, 6; Slate-colored Junco, 20; White-throated Sparrow, 67; Fox Sparrow, 6. **Total,** 54; species; about 102,048 individuals.—Peter J. Van Huizen, Darryl L. Agee.

317. Grand Isle, La. (Grand Isle, Leeville, and intervening marsh and cheniers; open marsh 30%, oak and palmetto scrub 50%, beaches and mud flats 10%, open water 10%).—Dec. 26; 4:30 a.m. to 6:30 p.m. Foggy to clear; temp. 55° to 70°; wind S, 5-7 m.p.h. Nine observers in 4 parties. Total party-hours, 33 (24 on foot, 9 by car); Total party-miles, 213 (33 on foot, 180 by car). Common Loon, 2; Pied-billed Grebe, 7; **White Pelican,** 222; Brown Pelican, 446; Double-crested Cormorant, 104; **Olivaceus Cormorant,** 393; **Great Blue Heron,** 67; **Am. Egret,** 490; Snowy Egret, 135; **Louisiana Heron,** 393; Little Blue Heron, 29; Black- crowned Night Heron, 23; **Am. Bittern,** 8; Mallard, 6; Pintail, 5; Green-winged Teal, 2; Surf Scoter, 1 (head spots and plain wings, S.A. and J.L.C.); Red-breasted Merganser, 5; Turkey, Vulture, 2; Black Vulture, 30; Red-tailed Hawk, 1; Marsh Hawk, 11; Peregrine Falcon, 1; Sparrow Hawk, 14; **Clapper Rail,** 95; Sora, 1; Florida Gallinule, 14; Piping Plover, 3; Ringed Plover, 6; Killdeer, 36; Wilson's Snipe, 8; Spotted Sandpiper, 1; Greater Yellow-legs, 5; Lesser Yellow-legs, 3; Least Sandpiper, 10; Red-backed Sandpiper, 6; Semipalmated Sandpiper, 22; Western Sandpiper, 16; Sanderling, 33; Herring Gull, 600 (est.); Ring-billed Gull, 400 (est.); Laughing Gull, 116; Bonaparte's Gull, 5; Gull-billed Tern, 3; **Forster's Tern,** 500 (est.); Common Tern, 14; Royal Tern, 150; Caspian Tern, 23; Black Skimmer, 4; Screech Owl, 1; **Burrowing Owl,** 2; medium-sized owl (Barn or Short-ear), 1; **Chuck-will's-widow,** 1 (E.O.V.S., J.V.S.), **Belted Kingfisher,** 107; Yellow-shafted Flicker, 10; Downy Woodpecker, 1; Eastern Phoebe, 4; **Tree Swallow,** 800 (est.); Blue Jay, 3; House Wren, 1; Carolina Wren, 41; **Long-billed Marsh Wren,** 35; Mockingbird, 90; Catbird, 3; Brown Thrasher, 3; Am. Robin, 2; Blue-gray Gnatcher, 8; Ruby-crowned Kinglet, 80; Water Pipit, 46; Cedar Waxwing, 65; **Loggerhead Shrike,** 73; Solitary Vireo, 1; **Orange-crowned Warbler,** 57; Myrtle Warbler,

207; Palm Warbler, 5 (4 Western, 1 Yellow); **Common Yellowthroat,** 87; House Sparrow, 76; Eastern Meadowlark, 36; Red-winged Blackbird, 635; **Boat-tailed Grackle,** 1800 (est.); Purple Grackle, 12; Brown-headed Cowbird, 1; Cardinal, 20; Am. Goldfinch, 7; Eastern Towhee, 2; Savannah Sparrow, 15; Sharp-tailed Sparrow, 4; **Seaside Sparrow,** 640; Chipping Sparrow, 1; White-throated Sparrow, 4; Swamp Sparrow, 24. **Total,** 91 species (1 additional subspecies); 9482 individuals.—Samuel A. Arny, John L. Chapin (compiler), Rose Feingold, Rossiter D. Olmstead, Elizabeth Thomson, John Thomson, Ellsworth O. Van Slate, Jean Van Slate, Rena Wilson.

318. Sabine Migratory Waterfowl Refuge, La. (Cameron Beach to small clumps of woods on prairie southwest of Hackberry, including chenier south of town of Cameron, Calcasieu River jetties, Holly Beach, Mud Lake, and marshes on and near Sabine Refuge; coastal marsh 45%, woodland 25%, gulf beach 15%, lakes 10%, fields 5%).—Dec. 23; 5 a.m. to 6 p.m. Clear; temp. 52° to 70°; wind E to NE, 4-18 m.p.h. Ten observers in 6 parties. Total party-hours, 65 (42 on foot, 14 by car, 9 in boat); total party-miles, 163 (51 on foot, 97 by car, 15 in boat). Common Loon, 1; Pied-billed Grebe, 3; White Pelican, 196; Brown Pelican, 176; Double-crested Cormorant, 6; Olivaceus Cormorant, 17; **Great Blue Heron,** 74; Am. Egret, 9; Snowy Egret, 108; Louisiana Heron, 5; Little Blue Heron, 1; Black-crowned Night Heron, 8; Yellow-crowned Night Heron, 2; **Am. Bittern,** 4; **White-faced Ibis,** 131; White Ibis, 80; Canada Goose, 21; White-fronted Goose, 300 (est.); Snow Goose, 35,000 (est.); **Blue Goose,** 20,000 (est.); Mallard, 55; Black Duck, 28; Gadwall, 29; Am. Widgeon, 15; Pintail, 137; Green-winged Teal, 193; Blue-winged Teal, 48; Shoveller, 84; Wood Duck, 2; Redhead, 34; Ring-necked Duck, 10; Canvas-back, 12; scaup (sp.), 81; White-winged Scoter, 2; Ruddy Duck, 115; Red-breasted Merganser, 45; Turkey Vulture, 13; Black Vulture, 14; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 17; Red-shouldered Hawk, 5; **Marsh Hawk,** 56; Sparrow Hawk, 23; Bob-white, 20; **Sandhill Crane,** 2; King Rail, 8; Clapper Rail, 34; Virginia Rail, 1; Sora, 2; Florida Gallinule, 2; Am. Coot, 715; Piping Plover, 2; Snowy Plover, 9; Wilson's Plover, 4; Killdeer, 210; Black-bellied Plover, 145; Ruddy Turnstone, 20; **Am. Woodcock,** 4; Wilson's Snipe, 29; Long-billed Curlew, 3; Spotted Sandpiper, 1; Willet, 60; Greater Yellow-legs, 32; **Lesser Yellow-legs,** 42; **Pectoral Sandpiper,** 3; Least Sandpiper, 178; Red-backed Sandpiper, 263; Dowitcher (including Eastern, 6 and Long-billed, 17) 246; Semipalmated Sandpiper, 176; Western Sandpiper, 365; Sanderling, 67; Am. Avocet, 13; Herring Gull, 94; Ring-billed Gull, 252; Laughing Gull, 54; Bonaparte's Gull, 135; Gull-billed Tern, 6; Forster's Tern, 32; Common Tern, 4; **Least Tern,** 1; Royal Tern, 52; **Cabot's Tern,** 4; Caspian Tern, 23; Black Skimmer, 391; Mourning Dove, 24; Ground Dove, 3; Barn Owl, 1; Screech Owl, 2; Barred Owl, 1; Belted Kingfisher, 31; Yellow-shafted Flicker, 17; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 2; Eastern Phoebe, 43; Vermilion Flycatcher, 3; Tree Swallow, 29; Blue Jay, 57; Fish Crow, 13; Carolina Chickadee, 2; House Wren, 29; Bewick's Wren, 1; Carolina Wren, 3; **Long-billed Marsh Wren,** 40; Short-billed Marsh Wren, 5; **Mockingbird,** 185; Brown Thrasher, 45; Am. Robin, 331; Hermit Thrush, 2; **Blue-gray Gnatcatcher,** 198; Ruby-crowned Kinglet, 93; **Water Pipit,** 424; Sprague's Pipit, 1; Cedar Waxwing, 122; Loggerhead Shrike, 72; Common Starling, 1011; **Solitary Vireo,** 11; **Black and White Warbler,** 1; Orange-crowned Warbler, 35; Myrtle Warbler, 150; Pine Warbler, 1; Palm Warbler, 1; Common Yellow-throat, 24; House Sparrow, 34; Eastern Meadowlark, 152; Western Meadowlark, 2; Red-winged Blackbird, 1090; Boat-tailed Grackle, 411; Purple Grackle, 2; Cardinal, 135; Am. Goldfinch, 19; Eastern Towhee, 6; **Spotted Towhee,** 1 (collected); Savannah Sparrow, 87; Leconte's Sparrow, 2; **Sharp-tailed Sparrow,** 22; **Seaside Sparrow,** 157; White-crowned Sparrow, 1; White-throated Sparrow, 13; Lincoln's Sparrow, 2; Swamp Sparrow, 34; Song Sparrow, 18. **Total,** 142 species (1 additional subspecies); 66,070 individuals.—Ralph R. Adams, Fred Buchmann, John Chapin, George H. Lowery, Jr., Robert B. Moore, Johnny Mouton, Robert J. Newman, Dewey E. Portie, Alan C. Sheppard, Herbert Stern.

319. St. Francisville, La (South near Mississippi River to Port Hudson, pine forest east of town, banks of False River to Grand Lake, and north along Mississippi River levee to St. Francisville ferry; lake shore 25%, marsh 2%, deciduous bottomlands 30%, hardwood uplands 18%, pine forest 5%, open fields 20%).—Dec. 30; 2 a.m. to 7:15 p.m. Heavy overcast; temp. 42° to 45°; wind N, 0-12 m.p.h. Sixteen observers in 7 parties. Total party-hours, 67 (38 on foot, 29 by car); total party-miles, 234 (45 on foot, 189 by car). Common Loon, 2; Horned Grebe, 26; **Pied-billed Grebe,** 117; White Pelican, 16; Double-crested Cormorant, 302; Great Blue Heron, 25; Am. Egret, 5; Am. Bittern, 1; Mallard, 8; Gadwall, 53; Am. Widgeon, 2; Pintail, 33; Wood Duck, 3; Redhead, 6; Ring-necked Duck, 105; Canvas-back, 700 (est.); Greater Scaup, 3; Lesser Scaup, 300 (est.); Am. Golden-eye, 2; Buffle-head, 12; **Ruddy Duck,** 4600 (est.); Turkey Vulture, 72; **Black Vulture,** 234; Sharp-shinned Hawk, 3; Cooper's Hawk, 5; Red-tailed Hawk, 9; Red-shouldered Hawk, 18; Bald Eagle, 2; Marsh Hawk, 2; Sparrow Hawk, 43; Bob-white, 4; **Purple Gallinule,** 1; Am. Coot, 206; **Killdeer,** 362; Wilson's Snipe, 18; Spotted Sandpiper, 2; Least Sandpiper, 22; **Red-backed Sandpiper,** 1 (coll.); Herring Gull, 11; Ring-billed Gull, 39; Bonaparte's Gull, 5; Forster's Tern, 1; Mourning Dove, 79; Barn Owl, 2; Screech Owl, 2; Horned Owl, 1; Barred Owl, 12; Belted Kingfisher, 30; Yellow-shafted Flicker, 29; Pileated Woodpecker, 4; **Red-bellied Wood-**

pecker, 105; Red-headed Woodpecker, 10; **Yellow-bellied Sapsucker,** 38; Hairy Woodpecker, 2; Downy Woodpecker, 60; Eastern Phoebe, 45; **Vermilion Flycatcher,** 1; Tree Swallow, 9; **Rough-winged Swallow,** 32; unidentified swallows, 200; Blue Jay, 135; Am. Crow, 192; Fish Crow, 5; Carolina Chickadee, 152; Tufted Titmouse, 167; Brown-headed Nuthatch, 3; Brown Creeper, 2; House Wren, 7; Winter Wren, 11; Bewick's Wren, 7; Carolina Wren, 67; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 6; **Mockingbird,** 245; Catbird, 1; **Brown Thrasher,** 129; Am. Robin, 173; Hermit Thrush, 17; Eastern Bluebird, 96; Blue-gray Gnatcatcher, 9; Golden-crowned Kinglet, 2; **Ruby-crowned Kinglet,** 330; Water Pipit, 269; Cedar Waxwing, 168; **Loggerhead Shrike,** 209; Common Starling, 543; White-eyed Vireo, 1; Solitary Vireo, 5; **Orange-crowned Warbler,** 45; Myrtle Warbler, 870; Pine Warbler, 9; Common Yellowthroat, 18; House Sparrow, 176; Eastern Meadowlark, 161; Western Meadowlark, 3; Red-winged Blackbird, 8061; Rusty Blackbird, 27; Brewer's Blackbird, 13; unidentified *Euphagus* 150; Purple Grackle, 1326; Brown-headed Cowbird, 85; **Cardinal,** 501; Am. Goldfinch, 151; Eastern Towhee, 92; Savannah Sparrow, 61; **Leconte's Sparrow,** 6; Henslow's Sparrow, 1; Pine-woods Sparrow, 1; Slate-colored Junco, 257; Chipping Sparrow, 22; Field Sparrow, 76; White-throated Sparrow, 511; Fox Sparrow, 7; Swamp Sparrow, 62; Song Sparrow, 7. **Total,** 113 species; 23,693 individuals.—J. Harold Austin, John B. Austin, Floyd Roy Bailey, Jas. Hy. Bruns, Fred Buchmann, Louis Freeman, Rev. W. Warrin Fry, Clifford C. Garvin, Leslie Glasgow, Robert and Juanita Krebs, George H. Lowery, Jr., Robert B. Moore, Robert J. Newman, Albert N. Robinson, Herbert Stern.

320. Shreveport, La. (7½-mile radius centering about ½ mile east of Blanchard, including Cross Lake area and bottomland along Highway 71 from Cross Bayou north almost to Dixie; open fields and pastures 20%, brushy fields and edges 35%, deciduous woods 30%, pine woods 3%, wooded lake 4%, open lake 8%).—Dec. 24; 7 a.m. to 5:30 p.m. Clear, except fog in early a.m.; temp. 40° to 70°; wind variable (NW to E), 2-10 m.p.h.; ground dry, Cross Lake at normal level. Three observers in 2 parties. Total party-hours, 21 (13 on foot, 6 by car, 2 in motorboat); total party-miles, 115 (13 on foot, 90 by car, 12 by boat). Horned Grebe, 8; Pied-billed Grebe, 19; Double-crested Cormorant, 67; Great Blue Heron, 16; Am. Egret, 21; Mallard, 4; Green-winged Teal, 9; Wood Duck, 1; Ring-necked Duck, 6; Canvas-back, 207 (200±10; 7); Lesser Scaup, 10; Ruddy Duck, 171; Hooded Merganser, 7; Turkey Vulture, 25; Black Vulture, 20; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 15; Sparrow Hawk, 2; Bob-white, 10 (one covey); Am. Coot, 75; Killdeer, 54; Wilson's Snipe, 20; Ring-billed Gull, 351 (150 est., 201); Mourning Dove, 3; Barred Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 86; Pileated Woodpecker, 3; Red-bellied Woodpecker, 34; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 25; Red-cockaded Woodpecker, 2; Eastern Phoebe, 9; Blue Jay, 61; Am. Crow, 114; Carolina Chickadee, 79; Tufted Titmouse, 19; White-breasted Nuthatch, 6; Brown-headed Nuthatch, 9; Brown Creeper, 2; House Wren, 4; Winter Wren, 5; Bewick's Wren, 1; Carolina Wren, 60; Mockingbird, 48; Brown Thrasher, 12; Am. Robin, 56; Hermit Thrush, 10; Eastern Bluebird, 47; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 53; Water Pipit, 71; Cedar Waxwing, 30; Loggerhead Shrike, 30; Common Starling, 328; Orange-crowned Warbler, 3; Myrtle Warbler, 64; Pine Warbler, 25; House Sparrow, 90 (70 est., 20); Eastern Meadowlark, 81; Red-winged Blackbird, 21,697 (21,000 est., 697); Rusty Blackbird, 124; Purple Grackle, 1685 (1500 est., 185); Brown-headed Cowbird, 577; Cardinal, 145; Purple Finch, 1; Am. Goldfinch, 30; Eastern Towhee, 25; Savannah Sparrow, 8; **Leconte's Sparrow,** 5; Slate-colored Junco, 203; Field Sparrow, 93; Harris's Sparrow, 1 (A.D., G.D.H.); White-crowned Sparrow, 16; White-throated Sparrow, 188; Fox Sparrow, 20; Lincoln's Sparrow, 12; Swamp Sparrow, 32; Song Sparrow, 49. **Total,** 82 species; about 27,537 individuals. (Seen in area Dec. 23: Marsh Hawk, 1; Short-billed Marsh Wren [rare], 1; Chipping Sparrow, 3. Seen just outside count area by H. B. Wright on Dec. 24: Am. Woodcock, 1; Road-runner, 1. Harris's Sparrow identified by large size, buffy cheeks, and blotch on breast; first observed Dec. 23 and carefully studied by all 3 observers at 30 ft. through 6x and 9x glasses.)—Ambrose Daigre, G. Dale Hamilton, Horace H. Jeter (compiler).

321. Bismarck, N. Dak (7½-mile radius centering on the North Dakota State Capitol Building, including the Northern Great Plains Experiment Station grounds at Mandan and south 6 miles through upland fields and prairies and return along west side of Missouri River; north 7 miles along Missouri River bottoms and return through upland fields and prairies; deciduous bottomland 30%, mixed conifers and hardwoods at Experiment Station 15%, bottomland fields and meadows 20%, upland fields and prairies 20%, urban 10%, farmsteads and feed-lots 5%).—Dec. 30; 8:30 a.m. to 5:30 p.m. Cloudy; temp. 16° to 18°; wind E to ESE, 11-14 m.p.h.; ground covered with 4-8-in. soft snow; all water frozen except small areas in current of river. Seven observers (4 in 1 party in a.m., 5 in 2 parties in p.m.). Total party-hours, 13 (8½ on foot, 4½ by car); total party-miles, 87 (8 on foot, 79 by car). Rough-legged Hawk, 2; Sharp-tailed Grouse, 39; European Partridge, 10; Ring-necked Pheasant, 21; Horned Owl, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 78; Blue Jay, 8; Am. Magpie, 7; Black-capped Chickadee, 15; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Townsend's Solitaire, 1

(seen on several occasions by 5 of the observers); Bohemian Waxwing, 5; Cedar Waxwing, 55; Gray Shrike, 2; Common Starling, 104; House Sparrow, 546; Red-winged Blackbird, 14; Pine Grosbeak, 2; Common Redpoll, 16; Pine Siskin, 11; Am. Tree Sparrow, 11. **Total,** 25 species; 960 individuals. (Seen in area Dec. 23: Cooper's Hawk, 1; Red-tailed Hawk, 2; Prairie Falcon, 1; Brown Creeper, 1; Am. Goldfinch, 10; Red Crossbill, 12; Slate-colored Junco, 32. On Dec. 29: meadowlark (sp.), 1.)—R. L. Bagwall, B. K. Harris, Hazel Hiemstra, Bill McKean, Jr., R. N. Randall, Betty Stephens, D. B. Vogtman.

322. Des Lacs National Wildlife Refuge, Kenmare, N. Dak. (town of Kenmare and adjacent fields, Tasker's Coulee, Des Lacs Valley including Lower, Middle, and 8 miles along Upper Des Lacs Lake; open fields 50%, wooded coulees and lakeshore 50%).—Dec. 30; 8:45 a.m. to 5:30 p.m. Cloudy, snowing; temp. 10° to 20°; wind SE, 10-15 m.p.h.; ground covered with 12-in. snow on the level. Six observers in 1 party. Total party-hours, 8½ (3 on foot, 5½ by jeep); total party-miles, 70 (8 on foot, 62 by jeep). Mallard, 2; Sharp-tailed Grouse, 52; European Partridge, 67; Ring-necked Pheasant, 3; Horned Owl, 1; Snowy Owl, 1; Short-eared Owl, 9; Yellow-shafted Flicker, 1; Horned Lark, 14; Am. Magpie, 9; Black-capped Chickadee, 2; Am. Robin, 8; Bohemian Waxwing, 27; Common Starling, 7; House Sparrow, 131; Common Redpoll, 25; Lapland Longspur, 5; Snow Bunting, 30. **Total,** 18 species; 394 individuals. (Seen in area Dec. 28: Golden Eagle, 1; Downy Woodpecker, 1.)—George Bodmer, Roy Carlson, John Frye, Robert Gross, Ann Gammell (compiler), Robert Gammell.

323. Lower Souris National Wildlife Refuge, Upham, N. Dak. (refuge headquarters to Upham, thence east across marsh to riverbottom between Dam 1 and Willow Creek; marsh 33%, meadows 33%, wooded riverbottom 34%).—Dec. 29; 9 a.m. to 5 p.m. Cloudy; temp. -1° to 11°; wind NW, 3-5 m.p.h.; ground covered with 11-in. snow where not drifted. Three observers in 1 party. Total party-hours, 7½ (6 on foot, 1½ by car); total party-miles, 42 (12 on foot, 30 by car). **Gyrfalcon,** 1 (white phase); Sharp-tailed Grouse, 17; European Partridge, 1; Ring-necked Pheasant, 43; Horned Owl, 1; Hairy Woodpecker, 5; Downy Woodpecker, 3; Blue Jay, 1; Am. Magpie, 1; Black-capped Chickadee, 10; White-breasted Nuthatch, 2; Brown Creeper, 2; Common Starling, 1; **House Sparrow,** 384; Red-winged Blackbird, 4: Common Redpoll, 17; Am. Tree Sparrow, 1; Snow Bunting, 250 (est.). **Total,** 18 species; about 744 individuals.—Donald V. Gray (compiler), M. C. Hammond, Howard Huenecke.

324. Brookings, S. Dak. (from the center of town to a point 7 miles north and return, south to the Sioux River, 8 miles and return, NW to Goldsmith Lake, 9 miles and return via Highway 14; farmlands and fencerows 60%, [deciduous] woods along the river 30%, cattail marsh 5%, town 5%).—Dec. 28; 9:30 a.m. to 5 p.m. Partly cloudy; temp. 10° to 15°; wind NW, 15-20 m.p.h.; ground covered with 2-3-in. snow. Four observers in 2 parties. Total party-hours, 15; total party-miles, 53 (3 on foot, 50 by car). Rough-legged Hawk, 1; Cooper's Hawk, 1; Ring-necked Pheasant, 52; European Partridge, 14; Short-eared Owl, 1; Hairy Woodpecker, 1; Horned Lark (Prairie), 155; Blue Jay, 2; Am. Crow, 8; Am. Robin, 5; Common Starling, 8; House Sparrow, 130; Western Meadowlark, 1; Am. Tree Sparrow, 6; Song Sparrow, 1. **Total,** 15 species; 386 individuals.—Harold W. and Wesley E. Wagar, Dr. Gerald B. Spawn, Marvin F. Boussu.

325. Canton, S. Dak. (7½-mile radius centering on center of city and including home feeding station, Sioux River, Newton Hills State Park and farm areas; open farmland 45%, town and suburbs 15%, deciduous wooded area 40%).—Dec. 28; 8 a.m. to 5 p.m. Clear to partly cloudy; temp. 20° to 25°; wind at start SW, 4-8 m.p.h., becoming NW, 20-25 m.p.h.; ground mostly bare with some small snow-banks; water frozen except small open spots in Sioux River. Total hours, 9 (on foot and in car); total miles, 105. Rough-legged Hawk, 5; Ring-necked Pheasant, 21; Yellow-shafted Flicker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 4; Horned Lark, 14; Am. Crow, 5; Black-capped Chickadee, 8; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 1; Common Starling, 68; House Sparrow, 63; Red-winged Blackbird, 1 (close range observation in frozen cattail marsh); Cardinal, 5; Slate-colored Junco, 2; Am. Tree Sparrow, 14. **Total,** 17 species; 218 individuals.—W. B. Mallory.

326. Huron (Beadle Co.), S. Dak. (south part of the town of Huron, Campbell, Winter and Riverside parks; southeast of town to Stony Run Dam and McKenzie's Grove, a point about 3 miles from town; grove west of Lampe Store in south edge of town; town 50%, open fields and scattered decidous woodlands 50%).—Dec. 27; 9 a.m. to 5 p.m. Fair, scattered clouds; temp. 30° to 40°; wind WNW, 1-7 m.p.h.; traces of snow. Eleven observers in 4 parties. Total party-hours, 10 (7 on foot, 3 by car); total party miles, 52 (12 on foot, 40 by car). Ring-necked Pheasant, 46; Screech Owl, 1; Downy Woodpecker, 6; Hairy Woodpecker, 1; Horned Lark (Prairie), 46; Blue Jay, 3; Am. Crow, 4; Black-capped Chickadee, 17; White-breasted Nuthatch, 5; Brown Creeper, 3; Common Starling, 20; House Sparrow, 138; Cardinal, 6; Pine Siskin, 4; Am. Goldfinch, 6; Slate-colored Junco, 15; Am. Tree Sparrow, 21; Song Sparrow, 7. **Total,** 18 species; 329 individuals.—Claude A. Van Epps, Martha, Dorothy, Marilyn and Bob Van Epps, Dr. H. and Mary A. Ketelle, Mrs. O. E. Wright, Mrs. S. Keck, J. W. and Nancy Johnson (Huron Bird Club).

327. Jefferson (Union County), S. Dak. (15-mile diameter from McCook Lake west to Island Schoolhouse, north to Goodenough and Loblolly Lake marshes, Conner's Slough, east to Hunter's Bridge area; marsh area 20%, wooded or timberland 50%, open fields and open country 15%, river country 15%).—Dec. 24; 8 a.m. to 3:30 p.m. Clear; temp. 20° to 33°; wind NNE, 10-15 m.p.h.; considerable snow and ice on ground from snowfall of Dec. 2, marshes and lakes and streams frozen over, river open in spots. Two observers in 1 party. Total party-hours, 7½ (6½ on foot, 1 by car); total party-miles, 30 (5 on foot, 25 by car). Mallard, 90; Red-tailed Hawk, 1; Bob-white, 12; Ring-necked Pheasant, 1; Mourning Dove, 5; Horned Owl, 2; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 3; Hairy Woodpecker, 4; Downy Wodpecker, 12; Am. Crow, 100 (est.); Black-capped Chickadee, 25; White-breasted Nuthatch, 5; Brown Creeper, 1; Am. Robin, 5; Ruby-crowned Kinglet, 15 (carefully checked—W.R.F.); Common Starling, 50 (est.); House Sparrow, 30; Western Meadowlark, 40; Red-winged Blackbird, 20; Purple Grackle, 3; Cardinal, 4; Slate-colored Junco, 15; Am. Tree Sparrow, 3. **Total,** 24 species; about 456 individuals.—Wm. R. Felton, Judy Dailey (Sioux City Bird Club).

328. Lacreek National Wildlife Refuge, Martin (Bennett Co.), S. Dak. (approximately same route as last 2 seasons: headquarters north and east to north boundary, south to willow thickets near southern boundary and return, some additional coverage by car along way; marsh and reservoir 50%, meadow 45%, willow thickets 5%).—Dec. 24; 7:15 a.m. to 4 p.m. Cloudy in a.m., clearing in p.m.; temp. 31° to 42°; wind SSE to SW, 3-8 m.p.h.; ground bare; spillway channels open and ice on pools beginning to melt and break up in spots. One observer. Total hours, 8¾ (4 on foot, 4¾ by car); total miles, 31 (4 on foot, 27 by car). Mallard, 12,514 (12,000±500, 514); Am. Golden-eye, 42; Hooded Merganser, 1; Am. Merganser, 13; Rough-legged Hawk, 11; Golden Eagle, 2; Bald Eagle, 1; Marsh Hawk, 9; Prairie Falcon, 1; Sharp-tailed Grouse, 5; Ring-necked Pheasant, 59; Horned Owl, 1; Snowy Owl, 1; Short-eared Owl, 2; Hairy Woodpecker, 1; Horned Lark, 250 (200±15, 50); Am. Magpie, 1; Western Meadowlark, 11; Am. Tree Sparrow, 66 (20±3, 46); Lapland Longspur, 100 (est.). **Total,** 20 species; about 13,091 individuals.—Kenneth Krumm.

329. Sand Lake National Wildlife Refuge, Columbia, S. Dak. (from headquarters building north and around the perimeter of the refuge by pickup and on foot; open prairie [farm and grass land] 35%, deciduous shelterbelt woods 30%, bulrush marsh 25%, open lake [ice] 10%).—Dec. 30; 8 a.m. to 4 p.m. Mostly cloudy; temp. 15° to 25°; wind NW 1-7 m.p.h.; ground covered with 7-in. snow. Five observers in 2 parties. Total party-hours, 15 [est.]; total party-miles, 40 (30 by pick-up, 10 on foot). Canada Goose, 40; Mallard, 5000; Pintail, 1; Rough-legged Hawk, 5; Golden Eagle, 1; Ring-necked Pheasant, 5000; Mourning Dove, 1; Horned Owl, 3; Snowy Owl, 2; Short-eared Owl, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 1; Horned Lark (Prairie), 100; Black-capped Chickadee, 2; Am. Robin, 44; Common Starling, 200; House Sparrow, 25; Western Meadowlark, 1; Red-winged Blackbird, 50; Rusty Blackbird, 5; Brewer's Blackbird, 50; Common Redpoll, 100; Am. Goldfinch, 38; Am. Tree Sparrow, 50; Snow Bunting, 200. **Total,** 26 species; 10,923 individuals.—Jerry Podoll, Elmer Podoll, Clair Rollings, Harvey Nelson, Einer Kaastad.

330. Sioux Falls, S. Dak. (7½-mile radius about southeast corner Section 2-101-49; deciduous wooded valleys 75%, brushy drainage ditch and adjacent highways 15%, town, parks, cemeteries 5%, farmland 5%).—Jan. 1; 9 a.m. to 5 p.m. Cloudy to clearing; temp. 16° to 20°; wind NW, 15-10 m.p.h.; ground bare except for small amount of crusted snow in sheltered places; all water frozen except a few small open spots in river. Thirty observers in 9 parties. Total party-hours, 38½ (25 on foot, 13½ by car); total party-miles, 105 (19 on foot, 86 by car). Mallard, 4; Rough-legged Hawk, 2; Ring-necked Pheasant, 97; Mourning Dove, 1; Screech Owl, 3; Horned Owl, 7; Long-eared Owl, 2; Yellow-shafted Flicker, 10; Hairy Woodpecker, 31; Downy Woodpecker, 67; Blue Jay, 8; Am. Crow, 29; Black-capped Chickadee, 274; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 5; Brown Creeper, 16; Am. Robin, 2; Golden-crowned Kinglet, 4; Common Starling, 159; House Sparrow, 909; Brown-headed Cowbird, 15; Cardinal, 30; Pine Siskin, 16; Am. Goldfinch, 7; Slate-colored Junco, 255; Am. Tree Sparrow, 137; Harris's Sparrow, 29; Lapland Longspur, 36. **Total,** 28 species; 2195 individuals.—Wesley and Kenny Halbritter, C. and J. D. Donahoe, Mr. and Mrs. Mark G. Wilson, Mr. and Mrs. Melvin Wheeler, Steve Sugrue, David Wilson, Ronald Vosacek, Kenny Palmer, Roger Slocum, Mr. and Mrs. H. F. Chapman, Mr. and Mrs. C. H. Rogge, Janet Rogge, Mr. and Mrs. George Fredrickson, Lois Fredrickson, Mrs. S. A. Keller, Elisabeth Keller, Mr. and Mrs. George Goebel, Bill Goebel, Chas. Stringham, A. N. Shaeffer, Mr. and Mrs. J. S. Findley (Sioux Falls Bird Club).

331. Springfield, S. Dak. (river to a point 9 miles north; river area; Seven Springs area; prairie and field; farm woodlots; including a cedar grove; creek and river 30%, deciduous woods 40%, pasture and open farmlands 20%, town 10%).—Dec. 26; 10 a.m. to 4:30 p.m. Fair; temp. 0° to 10°; wind WNW, 1-7 m.p.h.; no snow. Twelve observers in 3 parties. Total party-hours, 19½ (19 on foot, ½ in car); total party-miles, 68 (38 on foot, 30 in car). Mallard, 2; Cooper's Hawk, 1; Golden Eagle, 1; Peregrine Falcon, 1; Ring-necked Pheas-

ant, 3; Wilson's Snipe, 4; Horned Owl, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 1; Blue Jay, 13; Am. Crow, 100; Black-capped Chickadee, 80; White-breasted Nuthatch, 6; Am. Robin, 3; Eastern Bluebird, 9; Common Starling, 8; House Sparrow, 40; Western Meadowlark, 1; Cardinal, 1; Redpoll, 60; Pine Siskin, 40; Am. Goldfinch, 39; Slate-colored Junco, 42; Am. Tree Sparrow, 12. **Total,** 26 species; 480 individuals.—W. W. Ludeman, M. E. Burgi and Scout troop.

332. Beatrice, Nebr. (Gage County, largely new areas; 7½-mile radius with center Northern Natural Compressor Station south of city; Blue Springs Cemetery, Big Blue River, margins of Bear, Club and Scicily Creeks, low lands, farm ponds, Chautaugua and Riverside Natural parks, Homestead National Monument).—Dec. 27; 8:30 a.m. to 5:15 p.m. Clear; temp. 12° to 35°; wind NW, 4-5 m.p.h.; ground and still water frozen, no snow. Six observers in 5 parties except 3 hours as 6 parties. Total party-hours, 23¼ (13 on foot, 10¼ by car); total party-miles, 86½ (18 on foot, 68½ by car). Red-tailed Hawk, 8; Rough-legged Hawk, 3 (dark and light phase); Marsh Hawk, 6; Sparrow Hawk, 2; Bob-white, 24; Ring-necked Pheasant, 2; Mourning Dove, 31 (D.O.K., J.R.); Yellow-shafted Flicker, 17; Red-bellied Woodpecker, 8; Hairy Woodpecker, 13; Downy Woodpecker, 35; Blue Jay, 2; Am. Crow, 28; Black-capped Chickadee, 83; Carolina Chickadee, 9 (D.O.K., E.F.K., 7 x 50 and 8 x 30 glasses at 20 ft.); Tufted Titmouse, 11; White-breasted Nuthatch, 3; Brown Creeper, 1; Eastern Bluebird, 3; shrike (sp.), 2; Common Starling, 335 (250±30, 85); House Sparrow, 562; meadowlark (sp.), 11; Cardinal, 18; Am. Goldfinch, 5; Grasshopper, Sparrow, 4 (D.K. and E.F.K. seen daily all fall); Slate-colored Junco, 54; Harris's Sparrow, 17; White-throated Sparrow, 7 (E.F.K.); Song Sparrow, 16. **Total,** 31 species; about 1320 individuals. (Seen in area Dec. 25: 18 Vesper Sparrows (J.R.); Dec. 26: 30 Cedar Waxwings, 20 Robins (F.P.)—David O. Kassing, Edith Force Kassing (compiler), Florence Patton, John Ramming, Clarence H. Schultz, Mary Sturmer (Beatrice Audubon Society).

333. Crete, Nebr. (same area as in 1949; wooded areas along creeks south of town, along flood plain of Big Blue River, and prairies; creek bottoms 35%; flood plain 35%, prairies 29%, residential area 1%).—Dec. 24; 8 a.m. to 4:30 p.m. Overcast; temp. 28° to 48°; wind E to SE, 0-5 m.p.h.; no snow; 60% of river frozen. Two observers in 1 party. Total party-hours, 8½ (6 on foot, 2½ by car); total party-miles, 42 (12 on foot, 30 by car). Pintail, 26; Red-tailed Hawk, 2; Horned Owl, 1; Red-shafted Flicker, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 2; Blue Jay, 5; Am. Crow, 101; Black-capped Chickadee, 98; White-breasted Nuthatch, 2; Brown Creeper, 3; Townsend's Solitaire, 1 (seen by both observers under good conditions; good examination of the bird at about 15 ft.); Common Starling, 203; House Sparrow, 295; Cardinal, 10; Am. Goldfinch, 31; Slate-colored Junco, 18; Am. Tree Sparrow, 47; Harris's Sparrow, 1. **Total,** 20 species; 852 individuals. (Seen in area Dec. 25: Red Crossbill, 30.)—J. L. C. Rapp, W. F. Rapp, Jr.

334. Fairbury (Jefferson Co.) Nebr. (new area 13-mile diameter, including Little Blue River, small creeks, farm ponds, flats and glacial hills; roadside thicket 45%, deciduous wooded canyons and river banks 5%, pasture, formal parks and cemeteries 10%, lowland, creek and farm pond areas 40%).—Dec. 25; 9 a.m. to 5:10 p.m. Clear; temp. 30° to 40°; wind SW, 5-7 m.p.h.; ground and all still water frozen. Three observers in 1-3 parties. Total party-hours, 24 (9 on foot, 15 by car); total party-miles, 153 (13 on foot, 140 by car). Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 8; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 2; Hairy Woodpecker, 10; Downy Woodpecker, 8; Am. Crow, 20; Black-capped Chickadee, 35; Tufted Titmouse, 10; White-breasted Nuthatch, 3; Brown Creeper, 1; Gray Shrike, 2; Common Starling, 78; House Sparrow, 150; meadowlark (sp.), 26; Cardinal, 11; Am. Goldfinch, 18; Slate-colored Junco, 20; Am. Tree Sparrow, 71; Clay-colored Sparrow, 25 (imm. with buffy rump, adults with brown check patch—E.F.K.); Harris's Sparrow, 28; White-throated Sparrow, 18; Lapland Longspur, 1 (E.F.K.); McCown's Longspur, 4 (D.O.K., E.F.K., 7 x 50 and 8 x 30 glasses at 20 ft., good light showed rusty shoulders and clear tail pattern; compared with Lapland Longspur). **Total,** 28 species; 565 individuals.—David O. and Edith Force Kassing, Mary Sturmer (Beatrice Audubon Society).

335. Fremont, Nebr. (Ridge and Catholic cemeteries, Izaak Walton League and Wild Wood parks, country roads, fields, along Platte River and along the State Lakes; deciduous and coniferous woods 75%, fields 5%, country roads 10%, along Platte River and State Lakes 10%).—Dec. 30; 8 a.m. to 5 p.m. Cloudy until 9 a.m., then clear; temp. 20° to 50°; wind S, mild; ground bare. Total hours, 9; total miles, 35 (on foot and in car). Bald Eagle, 5; Sparrow Hawk, 1; Mallard, 150; Am. Merganser, 10; Screech Owl, 1; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 5; Horned Lark, 25; Belted Kingfisher, 2; Blue Jay, 3; Am. Crow, 50; Black-capped Chickadee, 40; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Brown Creeper, 3; Common Starling, 60; Am. Robin, 200 (in flock, in migration); Eastern Bluebird, 5; Ruby-crowned Kinglet, 1; Cedar Waxwing, 10; Western Meadowlark, 10; House Sparrow, 100; Cardinal, 8; Am. Goldfinch, 6; Slate-colored Junco, 30; Am. Tree Sparrow, 60. **Total,** 28 species; 803 individuals. (Seen in

area recently: Black Duck, 1; Mourning Doves, fairly common.)—Lily Ruegg Button.

336. Fullerton, Nebr. (5 miles south, from Loup River bridge to 3 miles southwest along river, bluffs 1½ miles northwest of town, along Cedar River to the point, and cemetery; pasture 10%, town 10%, bluffs 10%, wood lots 10%, cultivated fields 20%, river and adjacent woods and willow-breaks 40%).—Dec. 25; 7 a.m. to 5 p.m. Cloudy in a.m., clear in p.m.; temp. 25° to 50°; wind N, 5-15 m.p.h. in p.m.; ground bare; all water frozen except channel of Loup. One observer. Total hours, 10 (9 on foot, 1 by car); total miles, 40 (12 on foot, 28 by car). Red-tailed Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Ring-necked Pheasant, 13; Mourning Dove, 104; Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 35; Red-shafted Flicker, 4; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 9; Horned Lark, 34; Am. Crow, 64; Black-capped Chickadee, 29; White-breasted Nuthatch, 8; Brown Creeper, 1; Am. Robin, 68; Townsend's Solitaire, 1; Cedar Waxwing, 16; Common Starling, 59; House Sparrow, 559; Cardinal, 2; Am. Goldfinch, 38; Slate-colored Junco, 157; Am. Tree Sparrow, 129; Harris's Sparrow, 2. **Total,** 29 species; 1348 individuals. (Seen in area Dec. 23: Am. Merganser, 3; Dec. 24: Blue Jay, 2; Dec. 26: Red Crossbill, 1.)—Leo A. Galloway.

337. Grand Island, Nebr. (center of town to point 7 miles south, Platte Deutsche Sandpit, cemetery, Wood River, Platte River, also 6 miles west of town to Ordnance Plant, 7 miles north of town then east 6 miles to Central Power Plant area on the Platte River; deciduous area 45%, pine and deciduous area 5%, open fields, hedgerows and open country 50%).—Dec. 30; 8:30 a.m. to 5:30 p.m. Clear; temp. 18° to 48°; wind SW, 5 m.p.h.; ground clear of snow, fresh water frozen in a.m., melting in p.m. Four observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 73 (4 on foot, 69 by car). Mallard, 29; Golden Eagle, 2; Marsh Hawk, 4; Bob-white, 1; Ring-necked Pheasant, 37; Mourning Dove, 4; Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 8; Am. Crow, 62; Black-capped Chickadee, 26; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 6; Am. Robin, 2; Golden-crowned Kinglet, 4; Common Starling, 47; House Sparrow, 195; Western Meadowlark, 23; Cardinal, 9; Am. Goldfinch, 38; Red Crossbill, 7; Slate-colored Junco, 31; Am. Tree Sparrow, 80; Harris's Sparrow, 3; Song Sparrow, 2. **Total,** 29 species; 642 individuals.—Goodman K. Larson, Ethel M. Houser, Floyd D. Urbach, Verneil E. Griffin (compiler).

338. Hastings, Nebr. (15-mile diameter centering on 3rd and Hastings Aves., and including Crystal Lake area and woodlands along the Little Blue River, adjoining fields, parks and Parkview Cemetery).—Dec. 28; 8 a.m. to 5 p.m. Clear; temp. 15° to 50°; wind 8-12 m.p.h.; all fresh water frozen except parts of river. Twelve observers in 5 parties. Total party-hours, 68 (28 on foot, 40 by car); total party-miles, 248 (44 on foot, 204 by car). Red-tailed Hawk, 1; Rough-legged Hawk, 2; Golden Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 2; Ring-necked Pheasant, 14; Horned Owl, 3; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-shafted Flicker, 1; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 6; Horned Lark, 60; Am. Magpie, 9; Am. Crow, 20; Black-capped Chickadee, 50; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Brown Creeper, 4; Am. Robin, 12; Townsend's Solitaire, 1; Common Starling, 200; House Sparrow, 300; Western Meadowlark, 132; Purple Grackle, 3; Cardinal, 16; Pine Siskin, 25; Am. Goldfinch, 52; Slate-colored Junco, 75; Oregon Junco, 12; Am. Tree Sparrow, 300; Harris's Sparrow, 34; Song Sparrow, 3. **Total,** 36 species; 1367 individuals.—A. A. Adams, Mrs. A. A. Adams, Geraldine Heartwell, Vera Maunder, Mrs. Collister, W. E. Eigsti, Burton Nelson, Mrs. J. M. Davis, Mrs. A. H. Jones, Mrs. A. M. Jones, Mrs. A. M. Brooking, Mrs. F. L. Youngblood (Brooking Bird Club).

339. Lincoln, Nebr. (same area as last year, northeast of Lincoln; roadsides 20%, deciduous woodland [30% grazed] 60%, fields and hedgerows 15%, stream 2%, cemetery 1%, shelter belt 2%).—Jan. 1; 7:30 a.m. to 5:30 p.m. Overcast except for several brief periods late a.m.; temp. 24°; to 30°; wind N, 5-10 m.p.h.; trace of snow drifts in shaded areas; Steven's Creek partly iced over but flowing. Nine observers in 4 parties. Total party-hours, 18 (14 on foot, 4 by car); total party-miles, 38 (12 on foot, 26 by car). Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 5; Horned Owl, 3; Short-eared Owl, 2; Yellow-shafted Flicker, 20; Red-bellied Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 22; Blue Jay, 5; Am. Crow, 21; Black-capped Chickadee, 26; Tufted Titmouse, 2; White-breasted Nuthatch, 1; Brown Creeper, 6; Am. Robin, 1; Golden-crowned Kinglet, 10; Cedar Waxwing, 7; Gray Shrike, 1; Common Starling, 54; House Sparrow, 275; meadowlark, 3; Cardinal, 20; Am. Goldfinch, 3; Slate-colored Junco, 31; Am. Tree Sparrow, 28; Harris's Sparrow, 11. **Total,** 27 species; 567 individuals.—Henry Baumgarten, Mrs. Dwight Thomas, Adrian C. Fox (compiler), Doris Gates, Mrs. O. E. Jerner, Mrs. Loren Mills, C. G. Pritchard, Mrs. Harold Whitmus, Don Williams.

340. Lincoln Parks, Nebr. (southern and eastern parts of Lincoln, including Pioneer, Van Dorn and Antelope parks, Wyuka Cemetery and Boy Scout Area; grassland 15%, park areas—trees and

grass but no shrubs 50ffl, coniferous woodland 10%, mixed decidous woods 20%, streambank 5%).—Dec. 30; 7:45 a.m. to 5 p.m. Partly cloudy to clear to broken clouds; temp. 22° to 47°; wind S-SW, 3-9 m.p.h.; no snow, creeks partially frozen but water running. Five observers in 3 parties. Total party-hours, 14 (12 on foot, 2 by car); total party-miles, 26 (11 on foot, 15 by car). Mallard, 1; Sharp-shinned Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Horned Owl, 6; Long-eared Owl, 12; Yellow-shafted Flicker, 9; Hairy Woodpecker, 2; Downy Woodpecker, 11; Blue Jay, 2; Am. Crow, 182; Black-capped Chickadee, 39; Tufted Titmouse, 2; Red-breasted Nuthatch, 7; Brown Creeper, 10; Brown Thrasher, 1; Am. Robin, 1; Eastern Bluebird, 6; Townsend's Solitaire, 2; Golden-crowned Kinglet, 1; Cedar Waxwing, 61; Common Starling, 26; House Sparrow, 102; Cardinal, 27; Pine Siskin, 12; Am. Goldfinch, 20; Red Crossbill, 115; Slate-colored Junco, 169; Oregon Junco, 1; Am. Tree Sparrow, 63; Harris's Sparrow, 13; Song Sparrow, 6. **Total,** 33 species; 913 individuals.—Henry Baumgarten, Mrs. W. A. Fleming, Adrian C. Fox, Louis M. Moos (compiler), C. G. Pritchard.

341. Nebraska National Forest, Bessey Division (Thomas Co.), Nebr. (same area as last year). Dec. 24; 8:45 a.m. to 5 p.m. Partly cloudy; temp. 26° to 41°; wind E, 5 m.p.h.; ground bare. One observer. Total hours, 8¼ (on foot); total miles, 8 (on foot). Mallard, 8; Sharp-tailed Grouse, 9; Bob-white, 4; Ring-necked Pheasant, 2; Horned Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Am. Crow, 19; Black-capped Chickadee, 25; Red-breasted Nuthatch, 4; Am. Robin, 31; Townsend's Solitaire, 8; Ruby-crowned Kinglet, 6; Cardinal, 2; Evening Grosbeak, 10; Pine Siskin, 20; Am. Goldfinch, 18; Slate-colored Junco, 30; Am. Tree Sparrow, 13; Song Sparrow, 1. **Total,** 20 species; 214 individuals.—Carle Smith, Halsey, Nebr.

342. Northeastern Antelope County, Nebr. (area 9 x 6 miles, level farming country; groves and trees by roadside 75%, fields and pastures 15%, creeks and cattail marsh 10%).—Dec. 31; 8 a.m. to 4:30 p.m. Partly cloudy; temp. 24° to 32°; wind S, 25-30 m.p.h.; ground bare; lakes and creeks mostly frozen over. Ten observers in 3 parties. Total party-hours, 34 (5 on foot, 29 by car); total party-miles, 66 (6 on foot, 60 by car). Rough-legged Hawk, 2; Golden Eagle, 1; Ring-necked Pheasant, 10; Screech Owl, 1; Horned Owl, 3; Yellow-shafted Flicker, 24; HairyWoodpecker, 5; Downy Woodpecker, 2; Am. Crow, 150; Black-capped Chickadee, 29; Red-breasted Nuthatch, 1; Brown Creeper, 2; Common Starling, 95; House Sparrow, 400+; Cardinal, 5; Am. Goldfinch, 30; Red Crossbill, 2; Slate-colored Junco, 22; Am. Tree Sparrow, 129; Harris's Sparrow, 5; **Total,** 20 species; 918 individuals.—L. S. Seabury, L. Seabury, A. Seabury, H. Crisp, C. Crisp, B. Crisp, D. Willets, L. Willets, Mrs. G. Seabury (compiler).

343. Omaha, Nebr. (including south and southeast of town, Fontenelle Forest, across Missouri River, Lake Manawa and Iowa Farmland; west of town, Elmwood Park and suburban Omaha, north to include Forest Lawn Cemetery; mixed deciduous and coniferous stands including natural stream 5%, suburban and urban Omaha 10%, city parks—largely conifers 10%, deciduous woodland 35%, open lake and farmland 40%).—Dec. 30; 8 a.m. to 5 p.m. Clear; temp. 18° to 45°; wind SSE, 14 m.p.h.; ground bare, very little open water except on the Missouri River. Seven observers in 4 parties. Total-party hours, 19 (16 on foot, 3 by car); total party-miles, 120 (30 on foot, 90 by car). Mallard, 300; Am. Merganser, 66; Red-tailed Hawk, 4; Red-shouldered Hawk, 4; Sparrow Hawk, 2; Screech Owl, 1; Barred Owl, 3; Yellow-shafted Flicker, 13; Red-shafted Flicker, 4; Red-bellied Woodpecker, 13; Hairy Woodpecker, 12; Downy Woodpecker, 42; Blue Jay, 10; Am. Crow, 63; Black-capped Chickadee, 187; Tufted Titmouse, 25; White-breasted Nuthatch, 47; Red-breasted Nuthatch, 2; Brown Creeper, 3; Am. Robin, 30; Eastern Bluebird, 3; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Cedar Waxwing, 25; Common Starling, 27; House Sparrow, 243; Red-winged Blackbird, 55; Cardinal, 40; Pine Siskin, 2; Am. Goldfinch, 26; Red Crossbill, 8; Slate-colored Junco, 141; Am. Tree Sparrow, 114. **Total,** 33 species; 1520 individuals.—Richmond Galley, William Ferguson, R. Allyn Moser, Mary Ellsworth, Barbara Blumenschein, L. O. Horsky, Joe Armstrong (compiler).

344. Scottsbluff, Nebr. (Riverside Park; Riverview Golf Club to river; north to Experiment Farm; across railroad track and Highway 26; north 1 mile and east to Cemetery Road; deciduous woodland 50%, river bank 20%, roadside 30%).—Dec. 29; 8 a.m. to 4 p.m. Cloudy; temp. 24° to 39°; wind NNW, 8-19 m.p.h. Two observers in 1 party. Total party-hours, 7 (4 on foot, 3 by car); total party-miles, 35 (5 on foot, 30 by car). Mallard, 3; Am. Merganser, 8; Marsh Hawk, 6; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Killdeer, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 4; Am. Magpie, 28; Am. Robin, 10; Townsend's Solitaire, 1; Common Starling, 46; House Sparrow, 150; Western Meadowlark, 8; Red-winged Blackbird, 4; Purple Finch, 4; Am. Goldfinch, 20; Oregon Junco, 12. **Total,** 20 species; 314 individuals.—Mrs. Roy J. Witschy, Mary Ann Wake (compiler).

345. Baldwin, Kans. (7½-mile radius centering 1 mile north of junction of U. S. Highways 50 and 59, and including Lone Star Lake, Sand Pits, and Craig's cedar woods; open farmland 20%, town suburbs 20%, wooded creeks and wasteland 30%, coniferous farm woodlot 10%, lake shore 20%).

—Dec. 26; 7:30 a.m. to 5:15 p.m. Clear; temp. 10° to 28°; wind N, 15-25 m.p.h.; creeks partly frozen and Lone Star Lake 30% open. Fourteen observers in 3 parties. Total party-hours, 20½ (10 on foot, 10½ by car); total party-miles, 102 (9 on foot, 93 by car). Mallard, 1; **Am. Golden-eye,** 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 14; **Harlan's Hawk,** 4; Rough-legged Hawk, 1; Marsh Hawk, 11; Sparrow Hawk, 2; Bob-white, 39; Mourning Dove, 8; Screech Owl, 1; Horned Owl, 4; Barred Owl, 2; **Long-eared Owl,** 7; Belted Kingfisher, 1; Yellow-shafted Flicker, 18; Red-shafted Flicker, 3; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 7; Hairy Woodpecker, 8; Downy Woodpecker, 18; Horned Lark, 35; Blue Jay, 28; Am. Crow, 177; Black-capped Chickadee, 107; Tufted Titmouse, 39; White-breasted Nuthatch, 4; Brown Creeper, 2; Winter Wren, 3; Carolina Wren, 3; Mockingbird, 2; Am. Robin, 20; **Hermit Thrush,** 1; Eastern Bluebird, 28; **Townsend's Solitaire,** 2; Golden-crowned Kinglet, 10; Cedar Waxwing, 206; Loggerhead Shrike, 1; Common Starling, 75; House Sparrow, 400 (220 est., 180); meadowlark (sp.), 141; **Brewer's Blackbird,** 30; Cardinal, 93; Am. Goldfinch, 78; Spotted Towhee, 1; Slate-colored Junco, 801 (600 est., 201); Am. Tree Sparrow, 645 (550 est., 95); Harris's Sparrow, 24; White-crowned Sparrow, 9; Song Sparrow, 2. **Total,** 51 species; about 3138 individuals. (Seen in area during count period: Yellow-bellied Sapsucker, 1; **Red-winged Blackbird,** 1; Purple Grackle, 2; **Red Crossbill,** 5.)—Edward Ayers, Clara Beach, Amelia Betts, Mr. and Mrs. Geo. Boicourt, Mr. and Mrs. Ivan L. Boyd, Arthur Bridwell, Jack Cannon, Mr. and Mrs. T. A. Evans, Katharine Kelley, R. F. Miller, Don Thomas (Baldwin Bird Club).

346. Emporia, Kans. (south of Emporia, at Peter Pan Park and near Cottonwood River at Soden's Grove, also about 1 mile S and ½ mile SE of Emporia, 4 miles east to East Lake and Camp Alexander; 4 miles N and NE from Emporia, following Neosho River closely; wooded areas 77%, open farmland 5%, hedgerows 3%, ungrazed land or prairie areas 15%).—Dec. 29; 8 a.m. to 4 p.m. Cloudy; temp. 25° to 45°; ground very dry, rivers open, lakes, ponds and some creeks frozen. Eight observers. Total hours, 7; total miles, 10 (on foot). Red-tailed Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 2; Bob-white, 37; Horned Owl, 1; Barred Owl, 1; flicker [sp.], 9; Red-bellied Woodpecker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 12; Blue Jay, 16; Am. Crow, 65; Black-capped Chickadee, 135; Tufted Titmouse, 11; Brown Creeper, 8; House Wren, 1; Common Starling, 31; House Sparrow, 300+; meadowlark (sp.), 27; Red-winged Blackbird, 13; Rusty Blackbird, 100; Cardinal, 35; Vesper Sparrow, 3; Slate-colored Junco, 18; Am. Tree Sparrow, 87; Harris's Sparrow, 14; White-crowned Sparrow, 3; Song Sparrow, 8. **Total,** 29 species; 961 individuals.—William Bailey, Donald Hanifan, Robert Hodge, Virgil Boatwright, Virgil Dowell, Elizabeth Koch, L. Redmond (compiler), E. Rees.

347. Fall River Dam and Reservoir (Greenwood Co.), Kans. (Fall River Reservoir, woods along Fall River north of lake, and surrounding grassland and fields; lake and river 40%, deciduous woodlots 35%, cultivated fields 15%, grassland 10%).—Dec. 26; 7 a.m. to 5:30 p.m. Clear; temp. 27° to 25°; wind N to NE, 18-24 m.p.h. with strong gusts; all water open; ground clear. Two observers in 1 party. Total party-hours, 10½ (7½ on foot, 3 in car); total party-miles, 83 (10 on foot, 73 by car). Mallard, 5333 (est.); Redhead, 1; Am. Merganser, 1242; Cooper's Hawk, 2; Red-tailed Hawk, 3; Rough-legged Hawk, 3; Ferruginous Hawk, 1; Bald Eagle, 1; Marsh Hawk, 37; Bob-white, 4; Ring-billed Gull, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Red-shafted Flicker, 1; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 6; Horned Lark, 40; Blue Jay, 11; Am. Crow, 80; Black-capped Chickadee, 82; Tufted Titmouse, 11; White-breasted Nuthatch, 3; Carolina Wren, 1; Am. Robin, 21; Eastern Bluebird, 15; Golden-crowned Kinglet, 3; Cedar Waxwing, 23; Common Starling, 160; House Sparrow, 9; Eastern and Western Meadowlarks, 29; Red-winged Blackbird, 400 (est.); Brewer's Blackbird, 1880 (est.); Purple Grackle, 3; Brown-headed Cowbird, 3; Cardinal, 37; Am. Goldfinch, 9; Spotted Towhee, 1; Slate-colored Junco, 112; Am. Tree Sparrow, 390; Harris's Sparrow, 37; Song Sparrow, 19. **Total,** 43 species; about 10,043 individuals.—Loren Keller, Harry L. Hobson.

348. Halstead, Kans. (5-mile radius centering in Halstead, 5 miles northeast to West Emma Creek and 5 miles southeast of Halstead to main Emma Creek; wooded creeks 65%, hedgerows 12%, open wheatland 14%, ungrazed upland 7%, town 2%).—Dec. 30; 8:50 a.m. to 5:15 p.m. Clear; temp 34° to 54°; wind S, 5-20 m.p.h.; frost, ground open, creek partly iced. Two observers together. Total party-hours, 7½ (6 on foot, 1½ by car); total party-miles, 21 (6 on foot, 15 by car). Marsh Hawk, 1; Sparrow Hawk, 4; Ring-necked Pheasant, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 750+; Blue Jay, 1; Am. Crow, 93; Black-capped Chickadee, 27; Tufted Titmouse, 2; **Red-breasted Nuthatch,** 1; Winter Wren, 1; Mockingbird, 1; Brown Thrasher, 1; Am. Robin, 8; Loggerhead Shrike, 1; Common Starling, 50+; House Sparrow, 42+; Western Meadowlark, 3; Brown-headed Cowbird, 1; Cardinal, 30; Am. Goldfinch, 20; Spotted Towhee, 9; Slate-colored Junco, 18; Am. Tree Sparrow, 118+; Harris's Sparrow, 95+; Song Sparrow, 8. **Total,** 30 species; about 1296 individuals.—Marie Dettweiler, Edna Ruth.

349. Hays, Kans. (15-mile diameter, from Hays to Cedar Bluffs on Saline River; wooded college campus and creek; cedar bluffs, wooded stream bank and rocky cliffs; along highway through prairie and cultivated fields).—Dec. 29; 8:45 a.m. to 5 p.m. Cloudy with slight sprinkle to partly clear; temp. 35° to 49°; wind NW, trace. Two observers in 1 party. Total party-hours, 7 (5½ on foot, 1½ by car); total party-miles, 36 (6 on foot, 30 by car). Rough-legged Hawk, 2; Golden Eagle, 3; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Red-shafted Flicker, 5; Downy Woodpecker, 3; Am. Magpie, 10; Am. Crow, 15; Black-capped Chickadee, 14; Am. Robin, 12; Townsend's Solitaire, 1; Common Starling, 1; House Sparrow, 10; Western Meadowlark, 12; Cardinal, 2; Slate-colored Junco, 30; Field Sparrow, 2; Harris's Sparrow, 3; Fox Sparrow, 3. **Total,** 21 species; 134 individuals.—L. D. Wooster, H. C. Elder.

350. Lawrence, Kans. (7½-mile radius centering at Brackett School 2 miles west of city, and including University of Kansas Natural History Reservation, Lakeview Lake, Kansas River to Lecompton, Wakarusa River to Clinton; open farmland 50%, town suburbs 5%, deciduous farm woodlots 25%, grassland 10%, water front 10%).—Dec. 24; 8 a.m. to 5 p.m. Partly cloudy; temp. 36° to 47°; wind NNW, 1-7 m.p.h.; no snow; lake 99%, frozen, rivers open. Nine observers in 3 parties. Total party-hours, 26 (16 on foot, 10 by car(; total party-miles, 197 (33 on foot, 164 by car). Mallard, 20; Am. Merganser, 1; Cooper's Hawk, 5; Red-tailed Hawk, 46; Marsh Hawk, 4; Sparrow Hawk, 14; Bob-white, 45; Killdeer, 2; Wilson's Snipe, 1; Mourning Dove, 10; Screech Owl, 2; Horned Owl, 6; Barred Owl, 3; Long-eared Owl. 1; Yellow-shafted Flicker, 26; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 11; Hairy Woodpecker, 5; Downy Woodpecker, 47; Horned Lark, 6; Blue Jay, 53; Am. Crow, 614 (est.); Black-capped Chickadee, 222; Tufted Titmouse, 38; Red-breasted Nuthatch, 2; Brown Creeper, 3; Carolina Wren, 4; Am. Robin, 53; Eastern Bluebird, 2; Golden-crowned Kinglet, 8; Cedar Waxwing, 10; Loggerhead Shrike, 6; Common Starling, 101; House Sparrow, 365 (est.); Eastern Meadowlark, 5 (est.); Western Meadowlark, 151 (est.) (songs of both Eastern and Western Meadowlark heard in 1 flock—H. B. T.); Red-winged Blackbird, 7; Cardinal, 197; Am. Goldfinch, 65; Red Crossbill, 8; Spotted Towhee, 5; Slate-colored Junco, 508 (est.); Am. Tree Sparrow, 753 (est); Field Sparrow, 2; Harris's Sparrow, 52; White-crowned Sparrow, 28; White-throated Sparrow, 3; Lincoln's Sparrow, 1 (seen at 12 ft.—R. W. F., H. M. C.); Song Sparrow, 95; Lapland Longspur, 58. **Total,** 50 species; about 3704 individuals.—James W. Bee, Bert S. Chewning (compiler), Helen M. Chewning, James S. Findley, Henry S. Fitch, Richard W. Fredrickson, Mr. and Mrs. C. S. Hobson, H. B. Tordoff.

351. Newton, Kans. (area 5 miles north of Bethel College campus along Sand Creek, and including some adjacent fields and hedgerows; wooded creek 57%, open creek 3%, hedgerows 14%, upland groves 5%, open fields 15%, farmyards 6%).—Dec. 23; 7:55 a.m. to 5:15 p.m. Clear; temp. 35° to 65°; wind SW to SSW, 2-15 m.p.h.; ground unfrozen, dry, no snow; water not frozen. Eight observers in 1 party. Total party-hours, 8¾ (8¼ on foot, ½ by car); total party-miles, ±22 (±15 on foot, 7 by car). Rough-legged Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 1; Ring-necked Pheasant, 10; Mourning Dove, 11; Screech Owl, 1; Horned Owl, 7; Yellow-shafted Flicker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 21; Horned Lark, 135; Blue Jay, 7; Am. Crow, 219; Black-capped Chickadee, 74; Tufted Titmouse, 7; Brown Thrasher, 1; Am. Robin, 103 (81 est., 22); Ruby-crowned Kinglet, 3; Cedar Waxwing, 2; Common Starling, 57 (50 est., 7); House Sparrow, 96; Eastern Meadowlark, 2; Western Meadowlark, 120; Cardinal, 91; Am. Goldfinch, 18; Spotted Towhee, 8; Slate-colored Junco, 108 (60 est., 48); Am. Tree Sparrow, 419 (315 est., 104); Harris's Sparrow, 269 (136 est.. 133); Song Sparrow, 30; Lapland Longspur, 6. **Total,** 31 species; about 1839 individuals. (Seen in area Dec. 22: Winter Wren, 1; Dec. 25: Canada Goose, 1.)—Elbert Esau, Robert Gering, Lester Harms, Leta Larrew, W. M. Larrew, Dwight Platt, Jim Rich, Norman Seibel (Bethel College Biology Seminar).

352. Topeka, Kans. (7½-mile radius centering at State House and including Lake Shawnee, Gage Park, Rochester and Mt. Hope Cemeteries, Shunganunga Creek and Tecumseh Road; deciduous farm woodlots 50%, evergreens 15%, pastures 15%, lake shore 10%, weed areas 10%).—Dec. 31; 7 a.m. to 5 p.m. Partly cloudy, dust blowing; temp. 36° to 51°; wind S, 40-50 m.p.h.; ground dry; all fresh water frozen except riffles on Shunganunga, Kaw River and 60% of Lake Shawnee. Twenty-two observers in 8 parties. Total party-hours, 145 (80 on foot, 65 by car); total party-miles, 200 (40 on foot, 160 by car). Mallard, 800; Pintail, 20; Am. Merganser, 2; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 3; Greater Prairie Chicken, 6; Bob-white, 31; Am. Coot, 4; Herring Gull, 3; Horned Owl, 2; Barred Owl, 1; Yellow-shafted Flicker, 5; Red-shafted Flicker, 2; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 1; Blue Jay, 42; Am. Crow, 33; Black-capped Chickadee, 25; Tufted Titmouse, 7; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 4; Carolina Wren, 3; Am. Robin, 11; Eastern Bluebird, 3; Golden-crowned Kinglet, 14; Cedar Waxwing, 50; Loggerhead Shrike, 1; Common Starling, 28; House Sparrow, 45; Eastern Meadowlark, 4; Brewer's Blackbird, 1; Cardinal, 38; Pine Siskin, 3; Am. Goldfinch, 4; Red Crossbill, 90; Spotted Towhee, 3; Slate-

colored Junco, 47; Am. Tree Sparrow, 17; Harris's Sparrow, 6; Song Sparrow, 5; Lapland Longspur, 23. **Total,** 47 species; 1410 individuals. Seen in area Jan. 1: Black Duck, 3; Am. Golden-eye, 1; Ruddy Duck, 1; Peregrine Falcon, 1; Mourning Dove, 7; Belted Kingfisher, 1; Yellow-bellied Sapsucker, 1; Mockingbird, 1; Brown Thrasher, 2 [checked by several observers]; White-crowned Sparrow, 4.)—L. B. Carson (compiler), Mr. and Mrs. Bert Chewning, L. P. Dittemore, Eva Donaldson, Paul C. Finninger, Roberta Foote, Chas. L. Franklin, Ruwal Freese, Richard and Jean Graber, Grace Holcombe, Mrs. Walter Huxman, Mrs. Charles Martin, Phil Menninger, Mrs. Nyle H. Miller, Clyde and Dale Morris, T. W. Nelson, David Pantle, Dorothy Rosebrough, Harold C. Williams.

353. Wichita, Kans. (Santa Fe and Crestview lakes, woods along Whitewater River and Whitewater Creek, Maple Grove and Highland Park Cemeteries, Oak and Sims Park; lake 10%, deciduous woodlots 55%, slough and marshland 5%, open fields and brushland 30%).—Dec. 23; 7 a.m. to 5:30 p.m. Clear; temp. 34° to 57°; wind SE to WNW, 9-13 m.p.h.; lake partly frozen; ground clear. Two observers in 1 party. Total party-hours, 10½ (8½ on foot, 2 by car); total party-miles, 76 (14 on foot, 62 by car). Mallard, 3200 (est.); Red-tailed Hawk, 5; Rough-legged Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 3; Bob-white, 27; Ring-necked Pheasant, 7; Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 29; Horned Lark, 15; Blue Jay, 8; Am. Crow, 83; Black-capped Chickadee, 98; Tufted Titmouse, 16; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 2; Brown Thrasher, 1; Am. Robin, 27; Eastern Bluebird, 1; Townsend's Solitaire, 1; Golden-crowned Kinglet, 2; Cedar Waxwing, 44; Loggerhead Shrike, 4; Common Starling, 117; House Sparrow, 52; Eastern and Western Meadowlark, 58; Brewer's Blackbird, 6; Cardinal, 40; Pine Siskin, 3; Am. Goldfinch, 15; Spotted Towhee, 2; Slate-colored Junco, 115; Am. Tree Sparrows, 125; Harris's Sparrow, 120; Song Sparrow, 12. **Total,** 43 species; about 4284 individuals.—Loren Keller, Harry L. Hobson.

354. Norman, Okla. (same area and habits as in 1949 count).—Dec. 31; 6 a.m. to 4 p.m. Cloudy to clear; temp. 35° to 50°; wind SSE, 20-35 m.p.h.; ground bare and dry; water open. Eight observers in 3 parties. Total party-hours, 20 (16 on foot, 4 by car); total party-miles, 90 (20 on foot, 70 by car). Red-tailed Hawk, 7; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 4; Bob-white, 12; Mourning Dove, 35; Horned Owl, 1; Yellow-shafted Flicker, 14; Red-shafted Flicker, 2; Red-bellied Woodpecker, 12; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 18; Horned Lark, 70; Blue Jay, 5; Am. Crow, 343; Carolina Chickadee, 63; Tufted Titmouse, 24; White-breasted Nuthatch, 2; Brown Creeper, 2; Bewick's Wren, 1; Carolina Wren, 4; Mockingbird, 3; Am. Robin, 4; Eastern Bluebird, 12; Loggerhead Shrike, 4; Common Starling, 649; House Sparrow, 78; Eastern and Western Meadowlarks, 183; Red-Winged Blackbird, 2247; Brewer's Blackbird, 3; Purple Grackle, 50; Cardinal, 77; Am. Goldfinch, 276; Spotted Towhee, 8; Savannah Sparrow, 16; Slate-colored Junco, 50; Am. Tree Sparrow, 62; Chipping Sparrow, 2; Field Sparrow, 6; Harris's Sparrow, 142; White-crowned Sparrow, 29; Lincoln's Sparrow, 5; Song Sparrow, 35. **Total,** 46 species; about 4572 individuals. (Seen in area Dec. 23; 1 Cooper's Hawk, 1 Wilson's Snipe, 2 Mountain Bluebirds, 1 Myrtle Warbler, 350 Brown-headed Cowbirds, 1 Lark Sparrow (K.S.), 1 White-throated Sparrow, 2 Fox Sparrows.)—Howard P. Clemens, Mr. and Mrs. Harold Cooksey, Glenn Jones, Mrs. A. R. Ramey, Stuart Tompkins, Mrs. Paul Updegraff, Mrs. John Whitaker (Cleveland County Bird Club).

355. Oklahoma City, Okla. (Lincoln Park, Canadian River and lowlands, roadsides, residential area, Lakes Aluma, Overholser, and Hefner; lakes and ponds 30%, deciduous woodlands 50%, park and residential area 10%, roadsides 5%, open fields 5%).—Dec. 29; 7:15 a.m. to 6:15 p.m. Cloudy, drizzle by 4; temp. 29° to 42°; wind N, 1-10 m.p.h.; all fresh water open except Canadian River. Eight observers in 4 parties. Total party-hours, 40 (27 on foot, 13 by car); total party-miles, 104 (19 on foot, 85 by car). Pied-billed Grebe, 2; Great Blue Heron, 4; Canada Goose, 10; Mallard, 2841 (2000 est.); Pintail, 2; Shoveller, 12; Canvasback, 11; Lesser Scaup, 14; Am. Golden-eye, 3; Buffle-head, 7; Ruddy Duck, 2; Hooded Merganser, 3; Am. Merganser, 1763 (1680 est., 83); Red-breasted Merganser, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Marsh Hawk, 17; Sparrow Hawk, 3; Bob-white, 5; Am. Coot, 4; Killdeer, 13; Spotted Sandpiper, 3 [no details—Ed.]; Herring Gull, 38; Ring-billed Gull, 3; Mourning Dove, 1; Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 14; Yellow-shafted Flicker, 15; Red-shafted Flicker, 5; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 6; Blue Jay, 281 (200 est., 81); Am. Crow, 82; Carolina Chickadee, 38; Tufted Titmouse, 17; Red-breasted Nuthatch, 1; Brown Creeper, 7; Bewick's Wren, 2; Carolina Wren, 1; Mockingbird, 12; Brown Thrasher, 2; Am. Robin, 33; Eastern Bluebird, 7; Mountain Bluebird, 3 (blue-breast noted—B.K., W.L.); Ruby-crowned Kinglet, 1; Cedar Waxwing, 27; Loggerhead Shrike, 9; Common Starling, 1573 (est.); Myrtle Warbler, 5; House Sparrow, 1225 (est.); Eastern Meadowlark, 104; Red-winged Blackbird, 400; Brown-headed Cowbird, 60; Cardinal, 37; Am. Goldfinch, 18; Eastern Towhee, 1 (R.F., L.N.); Spotted Towhee, 3; Savannah Sparrow, 30; Grass-

hopper Sparrow, 5; Slate-colored Junco, 81; Oregon Junco, 17; Gray-headed Junco, 1 (rusty back clearly seen—P.G., C.W.); Am. Tree Sparrow, 7; Field Sparrow, 5; Harris's Sparrow, 90; White-crowned Sparrow, 1; Fox Sparrow, 7; Song Sparrow, 12. **Total,** 72 species; about 9040 individuals. (Three Yellow-bellied Sapsuckers seen by Phillip Griffing on Dec. 27.)—Hilary Edwards, Rodman Frates, Phillip Griffing, Bruce Kennedy, Wendell Long, Lee Neeley, Bob Price, Charles Walbert (Auchincloss Bird Club).

356. Salt Plains National Wildlife Refuge, Jet, Okla. (7½-mile radius centering at Refuge Headquarters; dam spillway and Salt Fork River, east side of lake north to State Fish Hatchery, south side to Lindsley Place, west side to include Clay Creek, etc.; lake 50%, adjacent agricultural land 10%, roadsides 10%, deciduous woodland 30%). —Dec. 31; 7 to 12 a.m. to 1:30 to 5:30 p.m. Clear; temp. 35° to 60°; wind SE, 15-30 m.p.h. Eleven observers in 3 parties. Total party-hours, 22 (9 on foot, 13 by car); total party-miles, 134 (12 on foot, 122 by car). Pied-bill Grebe, 1; Great Blue Heron, 79; Black-crowned Night Heron, 5; Canada Goose, 2500; White-fronted Goose, 6; Mallard, 20,000+; Gadwall, 25; Am. Widgeon, 2; Green-winged Teal, 36; Shoveller. 20; Am. Golden-eye, 3; Ruddy Duck, 1; Hooded Merganser, 9; Am. Merganser, 900; Cooper's Hawk, 4; Red-tailed Hawk, 9; Harlan's Hawk, 2; Rough-legged Hawk, 3; Golden Eagle, 41; Bald Eagle, 41; Marsh Hawk, 91; Sparrow Hawk, 2; Bob-white, 27; Killdeer, 9; Wilson's Snipe, 5; Herring Gull, 100+; Ring-billed Gull, 203; Mourning Dove, 3; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 21; Red-shafted Flicker, 4; Red-bellied Woodpecker, 7; Hairy Woodpecker, 6; Downy Woodpecker, 6; Horned Lark, 22; Am. Crow, 386; Carolina Chickadee, 25; Tufted Titmouse, 15; Brown Creeper, 2; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 3; Am. Robin, 56; Eastern Bluebird, 10; Mountain Bluebird, 12; Loggerhead Shrike, 2; Common Starling, 310; House Sparrow, 150; Eastern and Western Meadowlarks, 214; Red-winged Blackbird, 15,000+; Cardinal, 41; Am. Goldfinch, 29; Spotted Towhee, 6; Slate-colored Junco, 110; Am. Tree Sparrow, 190; Field Sparrow, 2; Harris's Sparrow, 170; White-crowned Sparrow, 23; White-throated Sparrow, 7; Song Sparrow, 62. **Total,** 61 species; 41,022 individuals.—F. M. Baumgartner, Joe C. Creager, Georgia Creager, Addie Fromholz, Florel Helema, Elaine Moore, Paul Nighswonger, Bess Smith, Wilford W. Tullis, Doris Van den Akker, John B. Van den Akker.

357. Stillwater, Okla. (and vicinity; along roads to Lake Carl Blackwell Project and return; Boomer Lake; Fair Park; open farmland 25%, timbered ravine with permanent or intermittent stream 50%, shores of artificial reservoirs 15%, upland oak woods 10%; same area as covered by previous counts).—Dec. 27; 6:30 a.m. (dawn) to 6 p.m. (dusk). Overcast; temp. 28° to 42°; wind SW, 0-5 m.p.h.; ground dry, lakes partially covered with thin ice. Five observers in 4 parties. Total party-hours, 16 (12 on foot, 4 by car); total party-miles, 61 (11 on foot, 50 by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Mallard, 114; Gadwall, 1; Am. Merganser, 200 (est.); unidentified ducks, 300 (est.); Cooper's Hawk, 1; Red-tailed Hawk, 9; Harlan's Hawk, 1; Marsh Hawk, 9; Sparrow Hawk, 2; Bob-white, 59; Ring-billed Gull, 5; Mourning Dove, 27; Barn Owl, 1; Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 30; Red-shafted Flicker, 1; Red-bellied Woodpecker, 7; Red-headed Woodpecker. 4; **Yellow-bellied Sapsucker,** 3 (largest number in 12 years); Hairy Woodpecker, 3; Downy Woodpecker, 14; Horned Lark, 37; Blue Jay, 39; Am. Crow, 55; Carolina Chickadee, 59; Tufted Titmouse, 23; White-breasted Nuthatch, 3; Brown Creeper, 2; Bewick's Wren, 6; Carolina Wren, 2; Mockingbird, 1; Am. Robin, 139; **Eastern Bluebird,** 43; **Mountain Bluebird,** 124 (1st record on Christmas Counts); Golden-crowned Kinglet, 2; Cedar Waxwing, 18; Loggerhead Shrike, 5; Common Starling, 517 (500 est., 17); Myrtle Warbler, 5; House Sparrow, 310 (200 est., 110); Eastern Meadowlark, 63; Western Meadowlark, 22; meadowlark, sp., 184; Rusty Blackbird, 3; Brewer's Blackbird, 7; small blackbirds, 300± (est.); Cardinal, 69; Purple Finch, 12; Am. Goldfinch, 65; Slate-colored Junco, 70; Am. Tree Sparrow, 417; Field Sparrow, 24; Harris's Sparrow, 185; Song Sparrow, 25. **Total,** 53 species; about 3034 individuals.—A. M. and F. M. Baumgartner, Mrs. Max Plice, John L. Steele, W. P. Taylor (Okla. A. and M. College).

358. Tulsa, Okla. (Mohawk Park—same area and habitats as covered in 1949 count).—Dec. 30; 8 a.m. to 5 p.m. Overcast to clear at 10 a.m.; temp. 35° to 52° to 49°; wind S, 0-4 m.p.h.; ice on shallow water. Twenty-three observers in 8 parties. Total party-hours, 55 (50 on foot, 5 in car); total party-miles, 40 (34 on foot, 6 by car). Pied-billed Grebe, 14; Great Blue Heron, 18; Mallard, 659 (500 est., 159); Black Duck, 10; Gadwall, 3; Am. Widgeon, 4; Redhead, 1; Ring-necked Duck, 5; Canvas-back, 2; Am. Golden-eye, 6; Ruddy Duck, 3 (H.S.D.); Hooded Merganser, 4; Am. Merganser, 600 (est.); Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk. 5; Red-shouldered Hawk, 9; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 83; Killdeer, 2; Am. Woodcock, 1 (observed with 7 x 35 glasses at 60 feet—D.D.); Herring Gull, 10; Ring-billed Gull, 700 (550 est., 150); Mourning Dove, 59; Barn Owl, 1; Barred Owl, 6; Belted Kingfisher, 18; Yellow-shafted Flicker, 63; Pileated Woodpecker, 4; Red-bellied Woodpecker, 36; Red-headed Woodpecker, 17; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 9; Downy Woodpecker, 64; Blue Jay, 78; Am. Crow, 211; chickadee (sp.) 198; Tufted Titmouse, 179; White-breasted Nuthatch, 50; Brown Creeper, 23; Winter

Wren, 9; Carolina Wren, 53; Mockingbird, 6; Brown Thrasher, 1; Am. Robin, 32; Hermit Thrush, 1; Eastern Bluebird, 26; Golden-crowned Kinglet, 58; Ruby-crowned Kinglet, 15; Cedar Waxwing, 11; Loggerhead Shrike, 1; Common Starling, 192; Myrtle Warbler, 51; House Sparrow, 262; Eastern Meadowlark, 182; Red-winged Blackbird, 65; Rusty Blackbird, 22; blackbird mixed flocks, 7000 (est.); Purple Grackle, 36; Brown-headed Cowbird, 12; Cardinal, 155; Am. Goldfinch, 110; Spotted Towhee, 3; Savannah Sparrow, 3; Slate-colored Junco, 254; Am. Tree Sparrow, 47; Field Sparrow, 41; Harris's Sparrow, 71; White-crowned Sparrow, 10; White-throated Sparrow, 59; Fox Sparrow, 14; Lincoln Sparrow, 8; Swamp Sparrow, 4; Song Sparrow, 89. **Total,** 75 species; about 12,068 individuals. (Seen in area Dec. 28; Pintail, 2 [banded—H.S.D.]; King Rail, 3 [H.S.D.]; Virginia Rail, 2 [H.S.D.]; Wilson's Snipe, 6 [H.S.D.]. Seen in area Dec. 31: Bald Eagle 1.)—Mrs. Donald Acord, H. D. Chase, C. L. Criswell, Hugh S. Davis, Donald Dean, Ernest Esst, Mrs. Ernest Esst, Mrs. Roy L. Ginter, Orrin W. Letson (compiler), Ethel S. Letson, Mrs. W. A. McKinney, John G. Newell, Thero North, Donald L. Norling, Harvey T. Phillips, Bruce Reynolds, Mrs. Bruce Reynolds, Jerry A. Roberts, Boyd Robinson, H. C. Spore, Clara Spore, Bess Smith, W. A. Tappolet (Tulsa Audubon Society).

359. Wichita Mountains Wildlife Refuge, Cache, Okla. (6-mile radius centering on Refuge Headquarters, and including French Lake, SW slope of Elk Mt., Comanche and Grama lakes and Buffalo Springs vicinity, Quanah Parker and Pecan Springs area, and roadsides between; lake shores 10%, creek bottoms 40%, blackjack oak and rocky hillside locations 15%, open prairie 35%).—Dec. 30; 7:30 a.m. to 5:30 p.m. Clear; temp. 17° to 54°; wind N to NW, 1-3 m.p.h. One observer. Total hours, 8 (4 on foot, 4 by car); total miles, 36 (6 on foot, 30 by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Mallard; 3200; Gadwall, 4; Am. Widgeon, 6; Pintail, 3; Wood Duck, 3; Ring-necked Duck, 2; Am. Golden-eye, 1; Buffle-head, 14; Am. Merganser, 17; Cooper's Hawk, 1; Red-tailed Hawk, 5; Golden Eagle, 8; Bald Eagle, 5; Marsh Hawk, 6; Sparrow Hawk, 1; Bob-white, 27; Turkey, 41; Horned Owl, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 9; Red-shafted Flicker, 21; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 5; Blue Jay, 57; Am. Crow, 48; Carolina Chickadee, 38; Tufted Titmouse, 32; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Brown Creeper, 1; Bewick's Wren, 2; Canyon Wren, 2; Mockingbird, 1; Am. Robin, 177; Eastern Bluebird, 42; Townsend's Solitaire, 14; Ruby-crowned Kinglet, 6; Cedar Waxwing, 33; Loggerhead Shrike, 3; meadowlark (sp.), 92; Brewer's Blackbird, 220; Cardinal, 34; Spotted Towhee, 18; Savannah Sparrow, 10; Vesper Sparrow, 2; junco (sp.), 409; Am. Tree Sparrow, 66; Clay-colored Sparrow, 10; Field Sparrow, 22; Harris's Sparrow, 24; White-crowned Sparrow, 1; Song Sparrow, 9; Chestnut-collared Longspur, 37. **Total,** 58 species; 4818 individuals.—Ernest J. Greenwalt.

360. Wister Lake (Le Flore Co.), Okla. (7½-mile radius centering at U. S. Engineers' headquarters at east end of lake, and including Clear Lake and surrounding woodlands and cultivated fields to the east, the town of Wister to the north, the Poteau River bottoms to the south, and Wister Lake to the west; deciduous woodland 40%, pine ridges 5%, cultivated land 10%, roadside 15%, open lake 25%, town suburbs 5%).—Jan. 1; 8 a.m. to 5:30 p.m. Overcast all day, light rain from 3 p.m. on; temp. 35° to 40°; wind ENE, 0-5 m.p.h.; ground bare. One observer. Total hours, 9 (6 on foot, 3 in car); total miles, 46 (8 on foot, 38 by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Mallard, 3500 (est.); Wood Duck, 2; Redhead, 56; Ring-necked Duck, 2; Turkey Vulture, 16; Red-tailed Hawk, 11; Red-shouldered Hawk, 3; Harlan's Hawk, 2 (clearly observed); Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 9; Killdeer, 3; Ring-billed Gull, 11; Mourning Dove, 52; Horned Owl, 1; Barred Owl, 6; Belted Kingfisher, 4; Yellow-shafted Flicker, 63; Pileated Woodpecker, 3; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 12; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 8; Eastern Phoebe, 1; Blue Jay, 54; Am. Crow, 23; Carolina Chickadee, 38; Tufted Titmouse, 18; White-breasted Nuthatch, 2; Brown Creeper, 3; Carolina Wren, 11; Mockingbird, 6; Brown Thrasher, 2; Am. Robin, 35; Hermit Thrush, 1; Eastern Bluebird, 16; Golden-crowned Kinglet, 12; Water Pipit, 2; Cedar Waxwing, 39; Loggerhead Shrike, 6; Common Starling, 55; Myrtle Warbler, 13; House Sparrow, 25; Eastern Meadowlark, 46; Red-winged Blackbird, 60; Brown-headed Cowbird, 22; Cardinal, 45; Am. Goldfinch, 28; Spotted Towhee, 9; Slate-colored Junco, 63; Field Sparrow, 108; White-throated Sparrow, 225; Fox Sparrow, 178; Song Sparrow, 8. **Total,** 57 species; about 4941 individuals.—James L. Norman.

361. Big Bend National Park, Tex. (7½-mile radius centering on the old Burnham Ranch at foot of Chisos Mts., and including arid land north as far as Quail Spring, Chisos Mts. Basin area, Lost Mine Trail, and parts of trail to Boot Spring; desert scrub and grassy foothills 50%, piñon-juniper-oak 50%; elevation, 3300 to 7000 ft.).—Dec. 24; 6 a.m. to 7 p.m. Clear; temp. 36° to 80°; wind SW, 6-10 m.p.h.; ground very dry. One observer. Total hours, 13 (9 on foot, 4 by car). [Total miles not given—Ed.] Red-tailed Hawk, 2; Swainson's Hawk, 2; Ferruginous Hawk, 2; Golden Eagle, 1; Marsh Hawk, 1; Scaled Quail, 17; Mourning Dove, 53; Road-runner, 3; Red-shafted Flicker, 7; Acorn Woodpecker, 15; Ladder-backed Woodpecker, 13; Say's Phoebe, 9;

Horned Lark, 8; Scrub Jay, 1; Arizona Jay 85; Common Raven, 4; Piñon Jay, 3; Black-crested Titmouse, 95; Verdin, 3; Common Bush-tit, 35; White-breasted Nuthatch, 1; House Wren, 5; Bewick's Wren, 9; Cactus Wren, 5; Canyon Wren, 16; Rock Wren, 32; Mockingbird, 31; Curve-billed Thrasher, 4; Am. Robin, 19; Hermit Thrush, 22; Western Bluebird, 37; Mountain Bluebird, 9; Townsend's Solitaire, 80; Ruby-crowned Kinglet, 95; Cedar Waxwing, 14; Loggerhead Shrike, 8; Gray Vireo, 1; Western Meadowlark, 3; Brewer's Blackbird, 6; Pyrrhuloxia, 37; Cassin's Finch, 6 (seen at close range in good light and brown of neck noted in contrast with red of crown); House Finch, 55; Pine Siskin, 115, Lesser Goldfinch, 12; Green-tailed Towhee, 23; Spotted Towhee, 18; Brown Towhee, 63; Lark Bunting, 21; Savannah Sparrow, 35; Vesper Sparrow, 26; Rufous-crowned Sparrow, 26; Black-throated Sparrow, 110; Cassin's Sparrow, 5; Oregon Junco, 168 (Oregon, 18; Pink-sided, 150); Gray-headed Junco, 210; Chipping Sparrow, 450; Clay-colored Sparrow, 93; Brewer's Sparrow, 135; Black-chinned Sparrow, 49; White-crowned Sparrow, 67; Lincoln's Sparrow, 27. **Total,** 61 species; about 2307 individuals.—Karl W. Haller.

362. Big Spring, Tex. (same area as previous 2 years; mesquite-juniper hillsides and table land 33%, artificial lake 22%, rocky canyon with mesquite and juniper 17%, cultivated fields 2%, mesquite thickets and long grass in stream valleys 17%, open park 9%).—Jan. 1; 7:30 a.m. to 6 p.m. Clear to overcast; temp. 50° to 75° to 65°; wind SW, 10-20 m.p.h.; ground dry; water open. Three observers in 1 and 2 parties. Total party-hours, 11½ (8½ on foot, 3 in car); total party-miles, 19 (5 on foot, 14 by car). Pied-billed Grebe, 4; Great Blue Heron, 6; Pintail, 10; Green-winged Teal, 135; Ring-necked Duck, 1; Canvas-back, 3; Lesser Scaup, 6; Buffle-head, 14; Am. Merganser, 25; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Prairie Falcon, 1; Sparrow Hawk, 2; Bob-white, 2; Scaled Quail, 40; Killdeer, 8; Wilson's Snipe, 7; Mourning Dove, 17; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-shafted Flicker, 1; Golden-fronted Woodpecker, 1; Yellow-bellied Sapsucker, 3; Ladder-backed Woodpecker, 3; Cassin's Kingbird, 1; Common Bush-tit, 20; House Wren, 2; Bewick's Wren, 4; Cactus Wren, 3; Canyon Wren, 1; Rock Wren, 1; Mockingbird, 26; Crissal Thrasher, 1; Sage Thrasher, 2; Am. Robin, 12; Mountain Bluebird, 73; Townsend's Solitaire, 5; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Water Pipit, 25; Loggerhead Shrike, 8; Myrtle Warbler, 2; House Sparrow, 93; Western Meadowlark, 125; Brewer's Blackbird, 50; Brown-headed Cowbird, 275; Cardinal, 51; House Finch, 72; Pine Siskin, 21; Am. Goldfinch, 153; Lesser Goldfinch, 1; Green-tailed Towhee, 5; Spotted Towhee, 11; Brown Towhee (Cañon), 29; Lark Bunting, 101; Baird's Sparrow, 6; Vesper Sparrow, 24; Lark Sparrow, 18; Rufous-crowned Sparrow, 2; Black-throated Sparrow, 1; Oregon Junco, 33; Brewer's Sparrow, 1; White-crowned Sparrow, 213; Lincoln's Sparrow, 3; Song Sparrow, 2. **Total,** 66 species; 1775 individuals.—Charles R. Gaines, John E. and Margret K. Galley.

363. Brownsville, Tex. (7½-mile radius centering on Port Cutoff and New Port Isabel Rds., NE of Brownsville, excluding city; resacas [old river bed of Rio Grande] and cattail marsh 40%, plowed land 5%, canals 10%, mesquite brush-land 15%, salt lakes 30%).—Dec. 31; 7 a.m. to 6 p.m. Overcast; temp. 44° to 68°; wind SE, 6-10 m.p.h.; trace of rainfall. Three observers in 2 parties. Total party-hours, 20 (8 on foot, 12 by car). Least Grebe, 9; Pied-billed Grebe, 3; White Pelican, 6; Olivaceus Cormorant, 85; Water-turkey, 3; Great Blue Heron, 3; Am. Egret, 10; Snowy Egret, 58; Louisiana Heron, 8; Little Blue Heron, 4; Black-crowned Night Heron, 14; Yellow-crowned Night Heron, 8; White-faced Ibis, 5; Canada Goose, 10; Black Duck, 2; Gadwall, 31; Pintail, 62; Green-winged Teal, 20; Blue-winged Teal, 6; Cinnamon Teal, 7; Shoveller, 6; Redhead, 2; Ring-necked Duck, 15; Canvas-back, 1; Lesser Scaup, 8; Turkey Vulture, 1; Black Vulture, 2; Red-shouldered Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 10; Am. Coot, 133; Killdeer, 14; Long-billed Curlew, 20; Willet, 6; Lesser Yellow-legs, 1; Pectoral Sandpiper, 1 (C.E.); Baird's Sandpiper, 1; Semipalmated Sandpiper, 40; Sanderling, 6; Black-necked Stilt, 10; Herring Gull, 15; Ring-billed Gull, 4; Gull-billed Tern, 2; Least Tern, 6; Royal Tern, 1; Mourning Dove, 1; White-winged Dove, 2; Ground Dove, 15; Inca Dove, 14; Belted Kingfisher, 2; Green Kingfisher, 3; Golden-fronted Woodpecker, 2; Ladder-backed Woodpecker, 2; Vermilion Flycatcher, 11; White-necked Raven, 50; Black-crested Titmouse, 4; House Wren, 1; Bewick's Wren, 1; Mockingbird, 18; Brown Thrasher, 1; Sennett's Thrasher, 1; Am. Robin, 1; Hermit Thrush, 1; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 1; Loggerhead Shrike, 5; Orange-crowned Warbler, 2; Myrtle Warbler, 3; Audubon's Warbler, 2; Common Yellowthroat, 4; House Sparrow, 6; Eastern Meadowlark, 4; Red-winged Blackbird, 777; Hooded Oriole, 1; Boat-tailed Grackle, 330; Cardinal, 11; Sharpe's Seed-eater, 1; Seaside Sparrow, 10; Vesper Sparrow, 4; Lark Sparrow, 1; White-crowned Sparrow, 1. **Total,** 83 species; about 1973 individuals.—Charlotte A. DuBois (compiler), Mr. and Mrs. Carl Ellington.

364. Commerce, Tex. (areas within a 5-mile radius; deciduous bottom woodland 80%, burned-over pasture land 15%, ponds low due to drought 5%).—Dec. 31; 8:30 a.m. to 5:20 p.m. Clear; temp. 33° to 62°; wind SW to S, 8-12 m.p.h. Two observers in 1 party. Total party-hours, 8½ (7½ on foot, 1 by car); total party-miles, 27 (9 on foot, 18 by car). Great Blue Heron, 1; Mallard, 5; Turkey Vulture, 47; Black Vulture, 15; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Harlan's

Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 2; Bob-white, 16; Killdeer, 10; Wilson's Snipe, 4; Mourning Dove, 37; Yellow-shafted Flicker, 16; Red-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 8; Downy Woodpecker, 6; Horned Lark, 8; Blue Jay, 15; Am. Crow, 598 (400± 100, 198); Carolina Chickadee, 29; Tufted Titmouse, 15; Brown Creeper, 3; Bewick's Wren, 1; Carolina Wren, 5; Mockingbird, 13; Brown Thrasher, 11; Am. Robin, 15; Hermit Thrush, 14; Eastern Bluebird, 22; Ruby-crowned Kinglet, 4; Water Pipit, 1; Loggerhead Shrike, 10; Common Starling, 165; Myrtle Warbler, 2; Eastern Meadowlark, 215; Red-winged Blackbird, 7; Rusty Blackbird, 216; Brewer's Blackbird, 5; Brown-headed Cowbird, 137; Cardinal, 65; Am. Goldfinch, 76; Eastern Towhee, 4; Savannah Sparrow, 73; Lark Sparrow, 2; Slate-colored Junco, 52; Field Sparrow, 53; Harris's Sparrow, 36; White-crowned Sparrow, 12; White-throated Sparrow, 279; Fox Sparrow, 3; Lincoln's Sparrow, 2; Song Sparrow, 6. **Total,** 57 species; 2364 individuals.—Lea Davis, Mrs. Norah Selby O'Neil (compiler).

365. Del Rio, Tex. (same area as previous 2 years; grassy park 10%, willow-sycamore grove 8%, underbrush and thickets along streams 31%, cattail and river-cane marsh 22%, inactive sand dunes and ridges 2%, irrigated farmland 6%, limestone canyons 5%, artificial lake 5%, mesquite-catclaw-cactus desert 11%).—Dec. 23; 7:30 a.m. to 6 p.m. Fog until 9:30, complete overcast until 2:00, then cloudy; temp. 40° to 68° to 55°; wind SE, 2-10 m.p.h.; ground dry; water open. Two observers, together 7½ hours, separate 2 hours. Total party-hours, 11½ (8 on foot, 3½ in car); total party-miles, 30½ (3½ on foot, 27 by car). Pied-billed Grebe, 4; Double-crested Cormorant, 1; Great Blue Heron, 1; Pintail, 1; Blue-winged Teal, 3; Buffle-head, 30; Black Vulture, 18; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Prairie Falcon, 1; Sparrow Hawk, 3; Scaled Quail, 11; Florida Gallinule, 2; Am. Coot, 51; Killdeer, 54; Am. Woodcock, 1; Wilson's Snipe, 1 (crippled); Greater Yellow-legs, 2; Western Sandpiper, 10; Mourning Dove, 71; Inca Dove, 5; Horned Owl, 1; Belted Kingfisher, 1; Green Kingfisher, 1; Yellow-shafted Flicker, 1; Red-shafted Flicker, 7; Golden-fronted Woodpecker, 24; Ladder-backed Woodpecker, 3; Cassin's Kingbird, 1; Eastern Phoebe, 3; Say's Phoebe, 2; Vermilion Flycatcher, 2; Horned Lark, 2; Black-crested Titmouse, 1; Verdin, 6; House Wren, 3; Winter Wren, 1; Bewick's Wren, 8; Carolina Wren, 3; Cactus Wren, 1; Canyon Wren, 4; Rock Wren, 2; Mockingbird, 32; Sage Thrasher, 1; Am. Robin, 37; Hermit Thrush, 1; Eastern Bluebird, 8; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 5; Water Pipit, 43; Cedar Waxwing, 8; Loggerhead Shrike, 8; Orange-crowned Warbler, 15; Myrtle Warbler, 21; Common Yellowthroat, 9; House Sparrow, 61; meadowlark (sp.), 37; Red-winged Blackbird, 383; Brewer's Blackbird, 320; Boat-tailed Grackle, 597; Brown-headed Cowbird, 51; Cardinal, 69; Pyrrhuloxia, 35; House Finch, 5; Am. Goldfinch, 12; Texas Sparrow, 2; Green-tailed Towhee, 1; Spotted Towhee, 2; Brown Towhee (Cañon), 2; Lark Bunting, 142; Vesper Sparrow, 15; Rufous-crowned Sparrow, 1; Black-throated Sparrow, 10; Am. Tree Sparrow, 1 (M.K.G.); Field Sparrow, 1 (J.E.G.); White-crowned Sparrow, 87; Lincoln's Sparrow, 5; Song Sparrow, 12. **Total,** 79 species; 2391 individuals.—Margret K. and John E. Galley.

366. Denton, Tex. (four miles east of Denton on Old McKinney Road, 3 miles south on access road, 6 miles east on new McKinney Highway; Lake Dallas Fish Hatchery; one mile east of Elm Fork of Trinity River, below Lake Dallas Dam; stream border 20%, ponds 25%, deciduous woodland 25%, fields and pastures 15%, cattail marsh 10%, city park 5%).—Dec. 31; 9 a.m. to 4 p.m. Clear; temp. 47° to 61°; south wind 28 to 30 m.p.h., in gusts. Four observers together 5 hours, 3 observers together 1 hour, 1 observer alone 2 hours. Total hours, 8 (on foot and by vehicle); total miles, 20 (14 miles by vehicle, 6 on foot). Great Blue Heron (Ward's), 2; Canada Goose, 95; Snow Goose, 4; Blue Goose, 1; Mallard, 10; Pintail, 25; Am. Widgeon, 6; Shoveller, 10; Redhead, 4; Canvas-back, 8; Greater Scaup, 5; Lesser Scaup, 8; Turkey Vulture, 20; Black Vulture, 8; Red-tailed Hawk, 4; Sparrow Hawk, 3; Am. Coot, 10; Killdeer, 10; Wilson's Snipe, 15; Ring-billed Gull, 5; Mourning Dove, 5; Belted Kingfisher, 4; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 5; Eastern Phoebe, 1; Blue Jay, 7; Am. Crow, 30; Carolina Chickadee, 10; Tufted Titmouse, 2; Brown Creeper, 2; Bewick's Wren, 1; Carolina Wren, 1; Mockingbird, 2; Brown Thrasher, 3; Am. Robin, 2; Hermit Thrush, 4; Ruby-crowned Kinglet, 5; Sprague's Pipit, 1; Loggerhead Shrike, 4; Common Starling, 30; Myrtle Warbler, 3; House Sparrow, 10; Eastern Meadowlark, 55; Western Meadowlark, 35; Red-winged Blackbird, 50; Cardinal, 24; Spotted Towhee, 1; Savannah Sparrow, 20; Leconte's Sparrow, 2; Slate-colored Junco, 35; Field Sparrow, 6; Harris's Sparrow, 10; White-crowned Sparrow, 1; White-throated Sparrow, 10; Song Sparrow, 4; McCown's Longspur, 50. **Total,** 59 species; about 701 individuals. (Seen in area Dec. 30; Lark Sparrow, 2; Long-billed Marsh Wren, 1—K.R.).—Fred Alan Hoskins, Wm. Larrey McCart, Kent Rylander, Wynn A. Wilson.

367. El Paso, Tex. (7½-mile radius centering on Scenic Drive on Mount Franklin; including Boy Scout Camp, Randel's Pool, Rio Grande levee and valley, sand hills east of town, McKelligon's Canyon, Ascarate and Washington Parks and Memorial Park; thickets of mesquite, wild olive, cottonwood, etc., 10%, bosques and river levee 5%, farms 6%, dairy pens 4%, sand hills 20%,

lake 8%, parks 8%, canyon 24%).—Dec. 31; 6:15 a.m. to 5:15 p.m.; clear to 2:30 p.m., then partly cloudy; temp. 32° to 61°; wind SSE, 7-17 m.p.h.; ground dry; water clear. Eight observers in 4 parties. Total party-hours, 24½ (20 on foot, 4½ by car); total party-miles, 71 (25 on foot, 46 by car). Eared Grebe, 1; Pied-billed Grebe, 11; Great Blue Heron, 8; Mallard, 13; Gadwall, 53; Am. Widgeon, 40; Pintail, 3; Green-winged Teal, 61; Redhead, 1; Ring-necked Duck, 5; Canvas-back, 24; Bufflehead, 2; Ruddy Duck, 4; Am. Merganser, 42; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 4; Swainson's Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 14; Scaled Quail, 82; Gambel's Quail, 83; Am. Coot, 144; Killdeer, 24; Wilson's Snipe, 5; Western Sandpiper, 6; Mourning 24; Road-runner, 1; Long-eared Owl, 10; Belted Kingfisher, 5; Red-shafted Flicker, 48; Black Phoebe, 1; Horned Lark, 169; Steller's Jay, 11; Scrub Jay, 8; White-necked Raven, 242; Mountain Chickadee, 6; Red-breasted Nuthatch, 1; Pygmy Nuthatch, 6; Cactus Wren, 2; Canyon Wren, 2; Rock Wren, 1; Crissal Thrasher, 1; Am. Robin, 625; Western Bluebird, 25; Mountain Bluebird, 6; Townsend's Solitaire, 4; Golden-crowned Kinglet, 1; Water Pipit, 33; Cedar Waxwing, 8; Loggerhead Shrike, 14; Common Starling, 112; Audubon's Warbler, 1; House Sparrow, 200; Western Meadowlark, 17; Yellow-headed Blackbird, 40; Red-winged Blackbird, 352; Brewer's Blackbird, 1110; Brown-headed Cowbird, 118; Pyrrhuloxia, 2; Black-headed Grosbeak, 2; Evening Grosbeak, 1; Cassin's Finch, 6; House Finch, 640; Am. Goldfinch, 40; Lesser Goldfinch, 26; Lawrence's Goldfinch, 13; Green-tailed Towhee, 3; Spotted Towhee, 8; Savannah Sparrow, 1; Baird's Sparrow, 5; Black-throated Sparrow, 4; Oregon Junco, 95 (*shufeldti*, 60; *mearnsi*, 35); Gray-headed Junco, 3; Chipping Sparrow, 12; Clay-colored Sparrow, 10; Brewer's Sparrow, 7; White-crowned Sparrow, 441 (Gambel's, 440; White-crown, 1); Golden-crowned Sparrow, 6; Song Sparrow, 6. **Total,** 79 species (2 additional subspecies); 5168 individuals.—Mrs. J. Owen Allen (compiler), Mrs. Harry Conway, Lena McBee, Fannie Camp, Jennie Camp, Tommy Conway, John Conway, George Burrows (El Paso Bird Study Club).

368. Fort Worth, Tex. (7½-mile radius centering on Lake Worth Dam and including Live Oak Creek, Silver Creek, Lake Como, Trinity Park, Boaz Park, State & Federal Fish Hatcheries, Botanic Gardens, Rivercrest, Ernest Allen Ranch, Ed Sproles Ranch, Meandering Road, Nature Trail [Children's Museum]).—Dec. 29; 6 a.m. to 6 p.m. Overcast; temp. 25° to 47°; wind E, 10 m.p.h.; woodlands very dry from drought. Thirteen observers in 4 parties. Total party-hours, 25½ (20 on foot, 5½ by car); total party-miles, 101 (27 on foot, 74 by car). Pied-billed Grebe, 1; Great Blue Heron, 4; Mallard, 7; Gadwall, 39; Am. Widgeon, 49; Pintail, 48; Blue-winged Teal, 3; Shoveller, 2; Ring-necked Duck, 7; Canvas-back, 2; scaup (sp.), 4; Buffle-head, 2; Turkey Vulture, 25; Black Vulture, 1; Cooper's Hawk, 3; Red-tailed Hawk, 2; Marsh Hawk, 2; Pigeon Hawk, 7 [no details submitted to back up this high percentage of Pigeon Hawks—Ed.]; Sparrow Hawk, 10; Bob-white, 10; Am. Coot, 130; Killdeer, 29; Wilson's Snipe, 49; Least Sandpiper, 6; Herring Gull, 19; Ring-billed Gull, 9; Mourning Dove, 11; Horned Owl, 4; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 28; Red-shafted Flicker, 2; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 7; Downy Woodpecker, 11; Eastern Phoebe, 2; Horned Lark (Prairie), 5; Blue Jay, 36; Am. Crow, 21; Carolina Chickadee (Plumbeous), 102; Tufted Titmouse, 64; Brown Creeper, 2; House Wren, 1; Winter Wren, 2; Carolina Wren, 13; Short-billed Marsh Wren, 2; Mockingbird, 27; Brown Thrasher, 3; Am. Robin, 8; Hermit Thrush, 2; Eastern Bluebird, 12; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 15; Water Pipit, 19; Cedar Waxwing, 31; Loggerhead Shrike, 10; Common Starling, 750 (est.); Orange-crowned Warbler, 1; Myrtle Warbler, 7; Louisiana Water-thrush, 1 [no details—Ed.]; House Sparrow, 121 (est.); meadowlark, 264 (sp.); Red-winged Blackbird, 25,250 (est.); Boat-tailed Grackle, 2; Brown-headed Cowbird, 8; Cardinal, 94; Purple Finch, 6; Pine Siskin, 2; Am. Goldfinch, 60; Eastern Towhee, 10; Spotted Towhee, 30; Savannah Sparrow, 2; Henslow's Sparrow, 10; Lark Sparrow, 20; Slate-colored Junco, 89; Oregon Junco, 2; Field Sparrow, 5; Harris's Sparrow, 34; White-crowned Sparrow, 5; White-throated Sparrow, 11; Fox Sparrow, 1; Swamp Sparrow, 6; Song Sparrow, 12. **Total,** 83 species; about 27,801 individuals.—Mrs. Wade Smith, Ruie Smith, Mrs. Robert Bowman, Sister St. Andrew, Mr. & Mrs. H. C. Wallenberg, Mrs. J. E. Casstevens, Martha Williams, David M. Bigelow (compiler), Charles Lawson, Anne Bernhardt, Clifford Johnson, Daniel Hayes.

369. Galveston, Tex. (northeastern part of Galveston Island, the neighboring mainland to the north, Bolivar Peninsular to the east, all within a 15-mile diameter; grassy prairies with many fresh-water pools 70%, tamarisk and prickly ash thickets 10%, beaches 15%, open water 5%).—Dec. 30; 8 a.m. to 6 p.m. Clear; temp. 34° to 65°; wind N, 10-12 m.p.h. Six observers in 1 party. Total party-hours, 9 (2 on foot, 6¼ by car, ¾ by boat); total party-miles, 93 (4 on foot, 85 by car, 4 on boat). Common Loon, 2; Pied-billed Grebe, 15; White Pelican, 70; Brown Pelican, 200; Double-crested Cormorant, 250; Great Blue Heron, 45; Am. Egret, 6; Snowy Egret, 1; Reddish Egret, 1; Louisiana Heron, 5; Red-breasted Merganser, 2; Black Vulture, 3; Marsh Hawk, 11; Sparrow Hawk, 42; Clapper Rail, 1; Am. Coot, 1; Ringed Plover, 2; Killdeer, 45; Black-bellied Plover, 30; Ruddy Turnstone, 3; Wilson's Snipe, 2; Long-billed Curlew, 22; Spotted Sandpiper, 1; Willet, 26; Greater Yellow-legs, 2; Lesser Yellow-legs, 5; Least Sandpiper, 6; Red-backed Sandpiper, 1; Dowitcher, 30; Semipalmated Sandpiper, 1; San-

derling, 130; Herring Gull, 422; Ring-Billed Gull, 2585; Laughing Gull, 1304; Gull-billed Tern, 3; Forster's Tern, 5; Royal Tern, 33; Caspian Tern, 20; Black Skimmer, 2000 (est.); Mourning Dove, 1; Ground Dove, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Eastern Phoebe, 2; Vermilion Flycatcher, 2; Tree Swallow, 25; House Wren, 1; Mockingbird, 10; Brown Thrasher, 4; Am. Robin, 15; Ruby-crowned Kinglet, 2; Am. Pipit, 50; Loggerhead Shrike, 80; Starling, 111; Orange-crowned Warbler, 2; Myrtle Warbler, 5; Common Yellowthroat, 1; House Sparrow, 35; Eastern Meadowlark, 4; Red-winged Blackbird, 1; Boat-tailed Grackle, 131; Brown-headed Cowbird, 82; Cardinal, 2; Savannah Sparrow, 1. **Total,** 65 species; about 7906 individuals.—Billy Green, Lawrence Tabony, Mr. and Mrs. George G. Williams, Geoffrey Williams, Stephen Williams.

370. Harlingen, Tex. (a circle of 7½-mile radius, with center 1 mile west of Rangerville; hackberry woodland 2%, brush 10%, pasture 5%, farmland and orchards 55%, canal banks, levies and lakes 25%, townsites 3%).—Dec. 23; dawn to dusk. Clear to partly cloudy; temp. 50° to 75°; wind N, 0-10 m.p.h. Eighteen observers in 9 parties. Total party-hours, 100 (50 on foot, 50 by car); total party-miles, 215 (45 on foot, 170 by car). Eared Grebe, 1; Least Grebe, 30; Pied-billed Grebe, 43; White Pelican, 59; Olivaceus Cormorant, 92; Water-turkey, 33; Great Blue Heron, 85; Am. Egret, 36; Snowy Egret, 54; Louisiana Heron, 19; Little Blue Heron, 24; Green Heron, 1; Black-crowned Night Heron, 145; Yellow-crowned Night Heron, 4; Am. Bittern, 4; Least Bittern, 1; White-faced Ibis, 4; White Ibis, 28; Canada Goose, 206; White-fronted Goose, 64; Snow Goose, 12; Mallard, 2; Mottled Duck, 13; Gadwall, 438; Am. Widgeon, 81; Pintail, 825; Green-winged Teal, 78; Blue-winged Teal, 47; Cinnamon Teal, 12; Shoveller, 179; Wood Duck, 1; Redhead, 1; Ring-necked Duck, 61; Canvas-back, 10; Lesser Scaup, 118; Ruddy Duck, 35; Turkey Vulture, 90; Black Vulture, 108; White-tailed Kite, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 8; Red-tailed Hawk, 5; Red-shouldered Hawk, 12; Ferruginous Hawk, 1; Harris's Hawk, 18; Marsh Hawk, 23; Audubon's Caracara, 9; Peregrine Falcon, 5; Sparrow Hawk, 115; Chachalaca, 2; Bobwhite, 6; King Rail, 1; Sora, 12; Florida Gallinule, 15; Am. Coot, 1658; Killdeer, 89; Wilson's Snipe, 28; Long-billed Curlew, 1; Spotted Sandpiper, 11; Solitary Sandpiper, 1; Greater Yellow-legs, 27; Lesser Yellow-legs, 12; Pectoral Sandpiper, 5; Least Sandpiper, 245; Dowitcher, 65; Stilt Sandpiper, 2; Semipalmated Sandpiper, 1; Western Sandpiper, 55; Black-necked Stilt, 12; Forster's Tern, 19; Common Tern, 1; Caspian Tern, 4; Mourning Dove, 204; White-winged Dove, 1; Mexican Ground Dove, 49; Ruddy Ground Dove, 1; Inca Dove, 159; White-fronted Dove, 19; Roadrunner, 2; Screech Owl, 1; Horned Owl, 1; Burrowing Owl, 2; Short-eared Owl, 1; Pauraque, 12; Buff-bellied Hummingbird, 1; Belted Kingfisher, 9; Green Kingfisher, 18; Golden-fronted Woodpecker, 50; Ladder-backed Woodpecker, 29; Tropical Kingbird, 1; Derby Flycatcher, 106; Eastern Phoebe, 56; Say's Phoebe, 2; Vermilion Flycatcher, 65; Beardless Flycatcher, 4; Horned Lark, 2; Tree Swallow, 1; Green Jay, 59; Black-crested Titmouse, 43; Verdin, 12; Brown Creeper, 1; House Wren, 29; Bewick's Wren, 30; Carolina Wren, 41; Cactus Wren, 1; Long-billed Marsh Wren, 22; Short-billed Marsh Wren, 1; Mockingbird, 268; Catbird, 1; Sennett's Thrasher, 29; Curve-billed Thrasher, 52; Sage Thrasher, 7; Am. Robin, 55; Hermit Thrush, 4; Eastern Bluebird, 20; Western Bluebird, 12; Blue-gray Gnatcatcher, 79; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 37; Water Pipit, 189; Sprague's Pipit, 1; Cedar Waxwing, 35; Loggerhead Shrike, 80; Common Starling, 3; White-eyed Vireo, 12; Solitary Vireo, 6; Warbling Vireo, 1; Black and White Warbler, 11; Orange-crowned Warbler, 56; Nashville Warbler, 2; Sennett's Warbler, 1; Myrtle Warbler, 140; Audubon's Warbler, 5; Black-throated Gray Warbler, 3; Black-throated Green Warbler, 8; Yellow-throated Warbler, 2; Northern Water-thrush, 1; Common Yellowthroat, 100; Black-capped Warbler, 2; House Sparrow, 290; Eastern Meadowlark, 232; Red-winged Blackbird, 20,000; Audubon's Oriole, 11; Alta Mira Oriole, 2; Hooded Oriole, 3; Brewer's Blackbird, 13; Boat-tailed Grackle, 8000; Brown-headed Cowbird, 90; Bronzed Cowbird, 26; Cardinal, 108; Pyrrhuloxia, 17; Indigo Bunting, 1; Sharpe's Seedeater, 53; Am. Goldfinch, 110; Texas Sparrow, 48; Green-tailed Towhee, 3; Eastern Towhee, 1; Lark Bunting, 63; Savannah Sparrow, 430; Grasshopper Sparrow, 3; Vesper Sparrow, 6; Lark Sparrow, 153; Cassin's Sparrow, 9; Black-throated Sparrow, 19; Chipping Sparrow, 11; Clay-colored Sparrow, 197; Field Sparrow, 14; White-crowned Sparrow, 107; White-throated Sparrow, 1; Lincoln's Sparrow, 60; Swamp Sparrow, 19; Song Sparrow, 2. **Total,** 172 species, about 37,877 individuals (totals of 1000 or more are in part estimated). The Ruddy Ground Dove was found by Luther Goldman and Bill Jennings and at first listed as a strange reddish-brown dove; it was sought out the next day and positively identified by Mr. Davis as a male Ruddy Ground Dove (since it is a new record for the state and the nation the bird was carefully studied at all angles and there appears to be no possibility of mistake).—Maurine Gill, Terry Gill, Buddy Muller, Beth Byler, Nancy O'Kelley, Pauline James, Carolyn Somers, Charlotte DuBois, James Owens, Buford Slay, Luther Goldman, Bill Jennings, Margaret Sterns, Fred Sterns, Marshall Johnston, Robert Drawe, Anna May Davis, L. Irby Davis.

371. Houston, Tex. (lower portion of San Jacinto River from point 15 miles upstream near Sheldon, southeast on both sides of river to mouth; heavy woods of pine & oak 30%, open fields & brushy plains 60%, salt-water estuary 10%, same area as in previous years).—Dec. 31; 7 a.m. to 5:30 p.m. Clear to cloudy; temp. 33° to 60°; wind NE,

10-12 m.p.h. Twenty-two observers in 4 parties. Total party-hours, 35 (10 on foot, 25 by car); total party-miles, 219 (20 on foot, 197 by car, 2 by boat). Pied-billed Grebe, 80; White Pelican, 229; Brown Pelican, 320; Double-crested Cormorant, 42; Water-turkey, 1; Great Blue Heron, 44; Am. Egret, 86; Snowy Egret, 309; Louisiana Heron, 17; Little Blue Heron, 17; Black-crowned Night Heron, 1; Canada Goose, 220; White-fronted Goose, 25; Snow Goose, 90; Blue Goose, 21; Mallard, 185; Black Duck, 45; Gadwall, 120; Am. Widgeon, 235; Pintail, 750; Green-winged Teal, 20; Shoveller 76; Lesser Scaup, 1000 (est.); Ruddy Duck, 205; Red-breasted Merganser, 14; Turkey Vulture, 60; Black Vulture, 61; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 18; Marsh Hawk, 21; Pigeon Hawk, 1; Sparrow Hawk, 69; Bob-white, 8; Am. Coot, 1; Killdeer, 200; Black-bellied Plover, 1; Wilson's Snipe, 6; Greater Yellow-legs, 9; Dowitcher, 2; Western Sandpiper, 3; Sanderling, 45; Herring Gull, 61; Ring-billed Gull, 2300; Laughing Gull, 315; Forster's Tern, 57; Common Tern, 1; Royal Tern, 117; Caspian Tern, 17; Mourning Dove, 23; Barred Owl, 3; Belted Kingfisher, 10; Yellow-shafted Flicker, 27; Pileated Woodpecker, 6; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 6; Eastern Phoebe, 31; Vermilion Flycatcher, 2; Horned Lark, 6; Tree Swallow, 2; Rough-winged Swallow, 31; Blue Jay, 53; Am. Crow, 146; Carolina Chickadee, 98; Tufted Titmouse, 65; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 2; Brown Creeper, 1; House Wren, 2; Carolina Wren, 41; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 2; Mockingbird, 166; Brown Thrasher, 47; Am. Robin, 362; Hermit Thrush, 8; Eastern Bluebird, 153; Blue-gray Gnatcatcher, 9; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 60; Water Pipit, 458; Cedar Waxwing, 69; Loggerhead Shrike, 94; Common Starling, 7500 (est.); White-eyed Vireo, 5; Solitary Vireo, 1; Black and White Warbler, 1; Orange-crowned Warbler, 17; Myrtle Warbler, 140; Pine Warbler, 30; Common Yellowthroat, 3; House Sparrow, 64; Eastern Meadowlark, 215; Red-winged Blackbird, 115; Brewer's Blackbird, 18,500; Boat-tailed Grackle, 12,500; Brown-headed Cowbird, 35,700; Bronzed Cowbird, 1 (J.M.H., C.E.B.); Cardinal, 266; Purple Finch, 2; Am. Goldfinch, 645; Eastern Towhee, 3; Savannah Sparrow, 93; Vesper Sparrow, 17; Slate-colored Junco, 1; Chipping Sparrow, 15; Field Sparrow, 8; White-throated Sparrow, 140; Lincoln's Sparrow, 4; Swamp Sparrow, 4; Song Sparrow, 1. **Total,** 115 species; about 85,547 individuals.— Ruth Beasley, C. E. Buehner, Nance Cunningham, Kyle Durand, Mary Gentry, Mr. and Mrs. W. H. Gottsch, Billy Green, Mr. and Mrs. C. W. Hamilton, Joseph M. Heiser, Mrs. Harriet Hunt, Mr. and Mrs. C. S. McMillan, Mrs. Edna Miner, Jeffrey Nichols, Lawrence Tabony, Carrie Wilcox, George G. Williams (compiler), Stephen Williams, Ella Wolfer, John Young (Houston Outdoor Nature Club).

372. Junction, Tex. (V-H Ranch on South Llano River, roadsides between V-H and Paint Creek Ranches, Paint Creek Ranch on Paint Creek; deciduous woodland along streams 50%, pastureland broken by clumps of scrub liveoak, mesquite, agarita, cedar and catclaw 50%).—Dec. 27; 8 a.m. to 5:30 p.m. Cloudy; temp. 20° to 35°; wind NE, 8-12 m.p.h.; abnormally dry condition prevailing. Four observers in 2 parties. Total party-hours, 12 (9 on foot, 3 by car); total party-miles, 56 (10 on foot, 46 by car). Great Blue Heron, 2; Mallard, 15; Black Duck, 5; Pintail, 12; Wood Duck, 10; Red-tailed Hawk, 5; Sparrow Hawk, 3; Turkey, 66; Am. Coot, 2; Killdeer, 7; Spotted Sandpiper, 2; Mourning Dove, 103; Belted Kingfisher, 8; Green Kingfisher, 2; Yellow-shafted Flicker, 1; Red-shafted Flicker, 11; Golden-fronted Woodpecker, 7; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 12; Eastern Phoebe, 4; Western Flycatcher, 1 [no details—Ed.]; Arizona Jay, 3; Carolina Chickadee, 15; Black-crested Titmouse, 17; Plain Titmouse, 6; Verdin, 3; House Wren, 4; Bewick's Wren, 11; Carolina Wren, 5; Cactus Wren, 5; Canyon Wren, 3; Rock Wren, 1; Mockingbird, 42; Am. Robin, 300; Hermit Thrush, 1; Eastern Bluebird, 2; Ruby-crowned Kinglet, 5; Cedar Waxwing, 18; Loggerhead Shrike, 2; Myrtle Warbler, 6; House Sparrow, 15; Western Meadowlark, 84; Cardinal, 58; Pyrrhuloxia, 4; House Finch, 37; Pine Siskin, 110; Lesser Goldfinch (Ark.), 134; Spotted Towhee, 4; Brown Towhee (Cañon), 26; Savannah Sparrow, 6; Vesper Sparrow, 20; Lark Sparrow, 5; Black-throated Sparrow, 18; Slate-colored Junco, 29; Am. Tree Sparrow, 50; Chipping Sparrow, 3; White-crowned Sparrow, 133; Lincoln's Sparrow, 14; Song Sparrow, 6. **Total,** 59 species; 1484 individuals.—Mrs. Robert H. Bowman, Mrs. Wade Smith (compiler), Henry Bossman, W. E. Hooks.

373. Laguna Atascosa National Wildlife Refuge, San Benito (Cameron Co.), Tex. (7½-mile radius, centered on north side of Laguna Atascosa 16 air-miles northeast of San Benito; mesquite-chaparral woodland, 25%, low brush-covered ridges 15%, farmlands 15%, coastal prairie 15%, freshwater marshes and shallow lakes 15%, brackish water bay and shoreline 15%).—Dec. 31; 6 a.m. to 6 p.m. Overcast; temp. 44° to 70°; wind NW to SE, 3-24 m.p.h.; light rain for short duration in morning. Fourteen observers in 8 parties. Total party-hours, 70 (38 on foot, 25 by car, 7 by boat); total party-miles, 156 (21 on foot, 115 by car, 20 by boat). Eared Grebe, 10; Least Grebe, 6; Pied-billed Grebe, 10; White Pelican, 186; Brown Pelican, 44; Double-crested Cormorant, 4; Mexican Cormorant, 88; Water-turkey, 4; Great Blue Heron, 195; Am. Egret, 40; Snowy Egret, 23; Reddish Egret, 38; Louisiana Heron, 14; Little Blue Heron, 7; Black-crowned Night Heron, 2;

White-faced Ibis, 2; White Ibis, 3; Roseate Spoonbill, 2; Canada Goose, 762; White-fronted Goose, 35; Snow Goose, 2555; Blue Goose, 45; Mallard, 378; Mottled Duck, 105; Gadwall, 378; Am. Widgeon, 1011; Pintail, 58,197 (58,000± 2000, 197); Green-winged Teal, 175; Blue-winged Teal, 4; Cinnamon Teal, 8; Shoveller, 247; Redhead, 10,445 (10,000± 1000, 445); Lesser Scaup, 60; Buffle-head, 31; Ruddy Duck, 2; Red-breasted Merganser, 58; Turkey Vulture, 78; Black Vulture, 190; White-tailed Kite, 8; Sharp-shinned Hawk, 3; Cooper's Hawk, 8; Red-tailed Hawk, 10 (Red-tail, 9; Krider's, 1); Red-shouldered Hawk, 2; White-tailed Hawk, 7; Harris's Hawk, 55; Golden Eagle, 1; Marsh Hawk, 89; Osprey, 1; Audubon's Caracara, 41; Prairie Falcon, 1; Peregrine Falcon, 5; Pigeon Hawk, 2; Sparrow Hawk, 54; Chachalaca, 7; Bob-white, 138; Sandhill Crane, 140; Sora, 1; Am. Coot, 291; Snowy Plover, 13; Ringed Plover, 10; Killdeer, 117; Black-bellied Plover, 303; Ruddy Turnstone, 17; Wilson's Snipe, 43; Long-billed Curlew, 358; Spotted Sandpiper, 23; Willet, 206; Greater Yellow-legs, 66; Lesser Yellow-legs, 25; Least Sandpiper, 177; Red-backed Sandpiper, 397; Dowitcher, 308; Semipalmated Sandpiper, 79; Western Sandpiper, 1237 (1000± 50, 237); Sanderling, 153; Am. Avocet, 41; Herring Gull, 97; Ring-billed Gull, 227; Laughing Gull, 87; Gull-billed Tern, 48; Forster's Tern, 93; Common Tern, 4; Royal Tern, 3; Caspian Tern, 103; Black Skimmer, 57; Mourning Dove, 27; Ground Dove, 12; Inca Dove, 4; White-fronted Dove, 3; Road-runner, 1; Barn Owl, 1; Horned Owl, 8; Pauraque (Merrill's), 3; Belted Kingfisher, 9; Green Kingfisher, 1; Golden-fronted Woodpecker, 12; Ladder-backed Woodpecker, 19; Derby Flycatcher, 34; Eastern Phoebe, 12; Vermilion Flycatcher, 15; Horned Lark, 30; Green Jay, 9; Black-crested Titmouse, 6; Verdin, 8; House Wren, 25; Bewick's Wren, 26; Carolina Wren, 7; Cactus Wren, 1; Long-billed Marsh Wren, 24; Short-billed Marsh Wren, 1; Mockingbird, 290; Sennett's Thrasher, 15; Curve-billed Thrasher, 17; Sage Thrasher, 19; Am. Robin, 54; Hermit Thrush, 3; Blue-gray Gnatcatcher, 7; Ruby-crowned Kinglet, 21; Water Pipit, 156; Sprague's Pipit, 15; Cedar Waxwing, 141; Loggerhead Shrike, 47; Common Starling, 9; White-eyed Vireo, 1; Orange-crowned Warbler, 23; Nashville Warbler, 24; Myrtle Warbler, 71; Black-throated Green Warbler, 1; Common Yellow-throat, 44; Yellow-breasted Chat, 1; House Sparrow, 17; Eastern Meadowlark, 216; Red-winged Blackbird, 7593 (7000± 2000, 593); Audubon's Oriole, 2; Boat-tailed Grackle, 4863 (4700± 1500, 163); Cardinal, 27; Pyrrhuloxia, 9; Sharpe's Seed-eater, 1; Texas Sparrow, 24; Lark Bunting, 1; Savannah Sparrow, 164; Vesper Sparrow, 17; Lark Sparrow, 200; Cassin's Sparrow, 3; Black-throated Sparrow, 25; Chipping Sparrow, 2; Clay-colored Sparrow, 25; Field Sparrow, 4; White-crowned Sparrow, 15; Lincoln's Sparrow, 2; Swamp Sparrow, 3; Song Sparrow, 6. **Total,** 152 species (1 additional subspecies); 95,074 individuals.—L. Irby Davis, Mrs. L. Irby Davis, Terry Gill, Mrs. Terry Gill, Luther C. Goldman (compiler), Lt. Karl W. Haller, C. E. Hudson, Jr., Merritt H. Hull, Mary Belle Keefer, Fred E. Sterns, Mrs. Fred E. Sterns, William S. Jennings, Marshall C. Johnston, Frank G. Watson.

374. Midland, Tex. (city of Midland to points northeast and southeast including lakes on Mustang Draw, city reservoir and sewer farm, and surrounding sandy plains; parks and cemetery [Chinese elm and juniper] 20%, water and marshy area 20%, cultivated areas (sorghum grains and cotton) 10%, sandy plains with long grass and mesquite thickets 50%).—Dec. 30; 7:30 a.m. to 6 p.m. Clear; temp. 14° to 60° to 50°; wind NW 5-8 m.p.h. in a.m., SW 10-15 m.p.h. in p.m; ground dry; water covered with thin ice in morning except portions of lakes. Four observers, 1 party in car, 2 parties on foot. Total party-hours, 10½ (7½ on foot, 3 in car); total party-miles, 17¼ (2¼ on foot, 15 by car). Great Blue Heron, 2; Mallard, 350; Am. Widgeon, 481; Pintail, 75; Green-winged Teal, 150; Cinnamon Teal, 1; Canvas-back, 210; Red-tailed Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 1; Scaled Quail, 15; Mountain Plover, 4; Killdeer, 11; Wilson's Snipe, 1; Long-billed Curlew, 378; Mourning Dove, 19; Horned Owl, 1; Red-shafted Flicker, 3; Ladder-backed Woodpecker, 2; Horned Lark, 4; White-necked Raven, 2; House Wren, 1; Cactus Wren, 3; Mockingbird, 4; Am. Robin, 3; Townsend's Solitaire, 1; Loggerhead Shrike, 13; Common Starling, 538; Myrtle Warbler, 1; House Sparrow, 129; Western Meadowlark, 357; Red-winged Blackbird, 7; Brewer's Blackbird, 9; Brown-headed Cowbird, 123; Cardinal, 1; Pyrrhuloxia, 2; House Finch, 3; Spotted Towhee, 1; Lark Bunting, 1991; Baird's Sparrow, 5; Vesper Sparrow, 52; Lark Sparrow, 4; White-crowned Sparrow, 54; Lincoln's Sparrow, 10; Song Sparrow, 3. **Total,** 45 species; 5031 individuals.—John E. and Margret K. Galley, Nance G. Creager, Charles R. Gaines.

375. Queen City, Tex. (Route 1, centered in Antioch Community, 7-mi. W of Queen City; NE corner Cass Co.; abandoned farmland 60%, creek bottom 30%, Sulphur River bottoms 10%).—Dec. 25; 7 a.m. to 5:30 p.m. Clear; temp. 55° to 64°; wind ESE, 4 m.p.h. One observer in party. Total party-hours, 9 (8 on foot, 1 by car); total party-miles, 24 (8 on foot, 16 by car). Mallard, 9; Turkey Vulture, 2; Sparrow Hawk, 1; Bob-white 12; Am. Woodcock, 1; Horned Owl, 2; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Eastern Phoebe, 1; Blue Jay, 8; Am. Crow, 20; Carolina Chickadee, 5; Tufted Titmouse, 4; Carolina Wren, 5; Mockingbird, 3; Brown Thrasher, 1; Am. Robin, 20; Hermit Thrush, 1; Eastern Bluebird, 4; Ruby-crowned Kinglet, 4; Loggerhead Shrike, 2; Common Starling, 3; Myrtle Warbler, 6; Pine Warbler, 2; Eastern Meadowlark, 10; Red-winged Blackbird, 15; Purple Grackle, 8; Cardinal, 9; Pine

Siskin, 10; Am. Goldfinch, 23; Eastern Towhee, 4; Leconte's Sparrow, 5; Slate-colored Junco, 33; Chipping Sparrow, 9; Field Sparrow, 14; White-throated Sparrow, 20; Fox Sparrow, 4; Swamp Sparrow, 5; Song Sparrow, 11. **Total,** 42 species (1 additional subspecies); 309 individuals.—Billy Heldt.

376. Rockport, Tex. (6 miles north of Rockport to Copano Bay causeway, 10 miles west to Bayside, 8 miles south to Aransas Pass; shore line 30%, dry prairies 30%, mesquite chaparral 20%, live-oak brush 20%, severe drought conditions, 4 inches rainfall past year, all fresh water ponds completely dry).—Dec. 29; 6:30 a.m. to 5:45 p.m. Partly cloudy; temp. 40° to 62°; wind NNE, 1-12 m.p.h.; tide low for past 4 weeks (wind tides only). Six observers in 3 parties. Total party-hours, 24 (7 on foot, 17 by car); total party-miles, 77 (6 on foot, 71 by car). Common Loon, 4; Pied-billed Grebe, 21; White Pelican, 19; Brown Pelican, 31; Double-crested Cormorant, 68; Olivaceus Cormorant, 58; Great Blue Heron, 63; Am. Egret, 31; Snowy Egret, 21; Reddish Egret, 18; Louisiana Heron, 18; Little Blue Heron, 8; Black-crowned Night Heron, 17; White Ibis, 4; Mottled Duck, 4; Gadwall, 9; Am. Widgeon, 25; Pintail, 22,500 (22,000 est., 500); Green-winged Teal, 5; Shoveller, 4; Redhead, 14; Lesser Scaup, 600; Red-breasted Merganser, 8; Turkey Vulture, 42; Black Vulture, 42; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 12; Audubon's Caracara, 3; Sparrow, Hawk, 31; Bob-white, 7; Sandhill Crane, 29; Clapper Rail, 2; Purple Gallinule, 1 (injured—C.N.H.); Am. Coot, 8; Piping Plover, 21; Snowy Plover, 4; Ringed Plover, 20; Killdeer, 56; Black-bellied Plover, 72; Ruddy Turnstone, 39; Wilson's Snipe, 2; Long-billed Curlew, 81; Spotted Sandpiper, 6; Willet, 150; Greater Yellow-legs, 15; Lesser Yellow-legs, 7; Least Sandpiper, 65; Red-backed Sandpiper, 249; Dowitcher, 194; Semipalmated Sandpiper, 24; Western Sandpiper, 72; Marbled Godwit, 75; Sanderling, 19; Am. Avocet, 16; Herring Gull, 42; Ring-billed Gull, 219; Laughing Gull, 25; Bonaparte's Gull, 1; Gull-billed Tern, 5; Forster's Tern, 18; Royal Tern, 11; Caspian Tern, 13; Black Skimmer, 39; Mourning Dove, 149; Ground Dove, 63; Inca Dove, 15; Road-runner, 3; Burrowing Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Red-shafted Flicker, 2; Golden-fronted Woodpecker, 1; Ladder-backed Woodpecker, 7; Eastern Phoebe, 15; Vermilion Flycatcher, 6; Horned Lark, 80; Black-crested Titmouse, 14; House Wren, 8; Bewick's Wren, 8; Carolina Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 121; Brown Thrasher, 2; Sennett's Thrasher, 6; Sage Thrasher, 2 (A.W.L., R.M.L., G.B.G., C.N.H.); Am. Robin, 851; Hermit Thrush, 8; Eastern Bluebird, 14; Blue-gray Gnatcher, 12; Ruby-crowned Kinglet, 5; Water Pipit, 45; Cedar Waxwing, 14; Loggerhead Shrike, 40; Common Starling, 20; Orange-crowned Warbler, 11; Myrtle Warbler, 51; Pine Warbler, 2; Common Yellowthroat, 1; House Sparrow, 84; Eastern Meadowlark, 108; Red-winged Blackbird, 2006; Brewer's Blackbird, 1; Boat-tailed Grackle, 1017; Brown-headed Cowbird, 2060; Bronzed Cowbird, 1 (Red-eyed—C.N.H.); Cardinal, 88; Pyrrhuloxia, 3; Am. Goldfinch, 173; Spotted Towhee, 2; Savannah Sparrow, 132; Grasshopper Sparrow, 1; Vesper Sparrow, 46; Lark Sparrow, 183; Chipping Sparrow, 2; Field Sparrow, 20; White-crowned Sparrow, 8; White-throated Sparrow, 1; Lincoln's Sparrow, 1; Song Sparrow, 1. **Total,** 123 species; 32,819 individuals.—Kathleen Lafferty, Mary Bell Keefer, Georgia Belle Getzendaner, Conger N. Hagar, Ann W. Lockwood, Robert M. Lockwood.

377. Sabinal, Tex. (area similar to that of last year but with the addition of the following: a rocky cliff and 2 small water-holes along the Sabinal River, a fair-sized pond with wild Turkey roost nearby in northeast part of count area; time spent in habitats: cypress, live oak, and brush-bordered river bed 40%, upland brush 20%, fields 15%, live-oak bordered water-hole 20%, cattle feed lot 2%, town lots and streets 3%).—Dec. 26; 6 a.m. to 7 p.m. Mostly clear; temp. 42° to 84°; wind SW to NW, 0-20 m.p.h.; ground bare and dry; no ice, and water in few remaining water-holes at or near all-time lows. One observer. Total hours, 13 (9 on foot, 4 by car); total miles, 75 (6 on foot, 69 by car). Great Blue Heron, 2; Black Vulture, 31; Red-tailed Hawk, 4; Harris's Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Bob-white, 15; Turkey, 116; Sandhill Crane, 363; Killdeer, 2; Mourning Dove, 252; Ground Dove, 4; Inca Dove, 5; Horned Owl, 3; Red-shafted Flicker, 1; Golden-fronted Woodpecker, 12; Ladder-backed Woodpecker, 7; Eastern Phoebe, 4; Am. Crow, 2; Black-crested Titmouse, 23; Verdin, 3; Bewick's Wren, 14; Carolina Wren, 5; Cactus Wren, 1; Cañon Wren, 1; Rock Wren, 4; Mockingbird, 24; Curve-billed Thrasher, 4; Sage Thrasher, 1; Am. Robin, 1; Hermit Thrush, 1; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 9; Cedar Waxwing, 73; Loggerhead Shrike, 16; Starling, 8; Myrtle Warbler, 1; House Sparrow, 56; meadowlark (sp.), 184; Brown-headed Cowbird, 5; Cardinal, 16; Pyrrhuloxia, 8; House Finch, 2; Am. Goldfinch, 12; Green-tailed Towhee, 1; Brown Towhee, 1; Lark Bunting, 25; Vesper Sparrow, 16; Lark Sparrow, 1; Rufus-crowned Sparrow, 1; Black-throated Sparrow, 10; Field Sparrow, 1; White-crowned Sparrow, 13. **Total,** 53 species; 1370 individuals. (Seen in area Dec. 25: Sennett's Thrasher, 2; Texas Sparrow, 1. On Dec. 27 Mrs. J. R. Whitaker made a count on and near a part of the above area. She recorded the following additional species: Belted Kingfisher, 1; Lesser Goldfinch, 1; Savannah Sparrow, 15.)—Edgar Kincaid, Jr.

378. Billings, Mont. (15-mile diameter between Billings and Huntley along Yellowstone Valley;

irrigated farmland 70%, timbered bottomland 15%, upland breaks and rimrock 10%, drainage ditches and marshes 5%).—Dec. 30; 8:15 a.m. to 5:15 p.m. Light overcast; temp. 30° to 45°; wind SW, 5-15 m.p.h.; ground mostly bare; river and creeks open. Four observers in 2 parties. Total party-hours, 11 (7 on foot, 4 by car); total party-miles, 70 (10 on foot, 60 by car). Canada Goose, 26; Mallard, 60; Am. Golden-eye, 7; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Ferruginous Hawk, 1; Prairie Falcon, 1; Ring-necked Pheasant, 69; Belted Kingfisher, 1; Red-shafted Flicker, 5; Am. Magpie, 48; Black-capped Chickadee, 18; Townsend's Solitaire, 2; House Sparrow, 45; Western Meadowlark, 36; Red-winged Blackbird, 3; Am. Tree Sparrow, 13. **Total,** 17 species; 337 individuals. Low count attributed to exceptionally mild weather which has prevailed for the past month; birds were not concentrated in sheltered areas, lack of snow decreased visibility, earlier frigid weather drove out late migrants.—J. S. Gootschalk, L. A. Peterson (compiler), B. W. Rounds, A. H. Stone.

379. Fortine, Mont. (farms, river-flats, and forests in central Fortine Valley, Fortine to 6 miles north and northwest; mature larch-fir-pine forest 20%, second-growth fir-larch-lodgepole woods 45%, river-bottom spruce-aspen woods 25%, fields 10%).—Dec. 25; 8 a.m. to 5 p.m. Clear; temp. 34°; to 47°; wind calm; ground bare, streams open. One observer. Total hours, 9 (on foot); total miles, 14 (on foot). Mallard, 24; Green-winged Teal, 4; Ruffed Grouse, 2; Wilson's Snipe, 1; Belted Kingfisher, 2; Hairy Woodpecker, 1; Steller's Jay, 2; Am. Magpie, 5; Common Raven, 13; Clark's Nutcracker, 3; Black-capped Chickadee, 7; Mountain Chickadee, 12; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Am. Dipper, 1; Bohemian Waxwing, 18; Gray Shrike, 1; House Sparrow, 4; Pine Grosbeak, 3; Common Redpoll, 8; Oregon Junco, 2; Am. Tree Sparrow, 2; Song Sparrow, 1. **Total,** 23 species; 120 individuals.—Winton Weydemeyer.

380. Lake Bowdoin National Wildlife Refuge (Phillips Co.), Mont. (same area and habitat percentages as last year).—Dec. 26; 8:30 a.m. to 2 p.m. Cloudy throughout; temp. -7° to 10°; wind NE, 5 m.p.h.; light snow falling, averaging 1 in. deep. Two observers in 1 party. Total party-hours, 5½ (1 on foot, 4½ by car); total party-miles, 12 (1 on foot, 11 by car). Golden Eagle, 3; Bald Eagle, 1; Marsh Hawk, 4; European Partridge, 7; Ring-necked Pheasant, 736; Snowy Owl, 3; Short-eared Owl, 2; Horned Lark, 37; Am. Magpie, 17; House Sparrow, 75. **Total,** 10 species; 885 individuals.—Norman S. Haughess, Leon C. Snyder (compiler).

381. Casper, Wyo. (North Platte River valley from just east of town to Speas Ranch warm springs on west including adjacent prairies and Casper Mountain; altitude varying from 5100 ft. on prairie to 8000 ft. on mountain top; same as previous years; sage brush prairie and foothills 50%, cottonwood creek bottoms 20%, high altitude lodgepole pine forest 20%, juniper foothills 5%, urban 5%).—Dec. 31; 7:30 a.m. to 4:30 p.m. Blizzard; temp. 29° to 18°; wind N, 5-15 m.p.h.; ground covering with snow to 2 in.; previously season clear and warm. Twenty-five observers in 4 parties. Total party-hours, 30 (20 on foot, 10 by car); total party-miles, 139 (26 on foot, 113 by car). Blue-winged Teal, 3; Lesser Scaup, 2; Ferruginous Hawk, 1; Golden Eagle, 1; Blue Grouse, 15; Ring-necked Pheasant, 11; Wilson's Snipe, 2; Horned Owl, 12; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-shafted Flicker, 8; Downy Woodpecker, 3; Horned Lark, 126; Gray Jay, 1; Am. Magpie, 352; Am. Crow, 15; Clark's Nutcracker, 2; Black-capped Chickadee, 66; Mountain Chickadee, 9; White-breasted Nuthatch, 1; Am. Dipper, 3; Am. Robin, 3; Townsend's Solitaire, 3; Common Starling, 148; Northern Shrike, 1; House Sparrow, 1832; Western Meadowlark, 58; Brewer's Blackbird, 1; Evening Grosbeak, 14; Gray-crowned Rosy Finch, 80; Common Redpoll, 11; Slate-colored Junco, 8; Am. Tree Sparrow, 38; Harris's Sparrow, 9; Song Sparrow, 11. **Total,** 35 species; 2852 individuals.—Dean Barnum, Cecil Berry, F. H. Brady, Jon Brady, Stanley Brown, L. R. Burkhart, R. R. Burkhart, Jack Cover, Mr. and Mrs. W. H. Eckelmeyer, Bill Everett, Floyd Freeman, Doug Harter, Dorothy McClintock, John Murane, Gene Myer, J. M. Parker, Dr. and Mrs. O. K. Scott, B. F. Stephenson, B. E. Stephenson, Jr., Max F. Stevens, Jim Whitman, Tom Kidd, Peers Brewer.

382. Boulder, Colo. (2 miles southwest of Boulder to 8 miles northeast; shrub thickets of canyon floors 10%, ponderosa pine forest 10%, open farmland 40%, cottonwood stream bottom 10%, irrigation reservoirs 10%, streets and parks of town 20%).—Dec. 26; 7:30 a.m. to 4 p.m. Continuous overcast, a little snow in air after noon; temp. 30° to 27°; no wind; ground bare. Eight observers together about 2 hours, in two parties rest of time. Total hours, 13 (5 on foot, 8 by car); total miles, 52 (5 on foot, 47 by car). Mallard, 9000 (±500) (rafts examined with telescope, no other species of ducks seen); Golden Eagle, 1; unidentified buteo, 1; Ring-necked Pheasant, 10; Red-shafted Flicker, 37; Lewis's Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Steller's Jay, 54; Am. Magpie, 81; Am. Crow, 4; Clark's Nutcracker, 1; Black-capped Chickadee, 3; Mountain Chickadee, 4; White-breasted Nuthatch, 3; Pygmy Nuthatch, 17; Brown Creeper, 1; Am. Dipper, 1; Am. Robin, 15; Townsend's Solitaire, 6; Gray Shrike, 1; House Sparrow, 315; Western Meadowlark, 83 (75 est., 8); Red-winged Blackbird, 2000 (±200); Evening Grosbeak, 29; House Finch, 45; Oregon Junco, 76 (Shufeldt's, 5; Pink-sided, 70 est., 11); Gray-headed Junco, 28; unidentified juncos, 30; Am. Tree Sparrow, 2; Song Sparrow, 2. **Total,** 30 spe-

cies (1 additional subspecies); about 11,865 individuals.—Anne Douglas, Gordon and Marion Alexander, Eleanor and John Hough, Edna L. Johnson, Olwen Williams (University of Colorado).

383. Colorado Springs, Colo. (parts of a 15-mile circle including Johnson's Reservoir, Fountain Creek through Sinton Dairy Farms, Ivywild, Stratton Park, Cheyenne Canyons, Garden of the Gods, and Austin Bluffs; foothills with rock slopes and cottonwood-oak-conifer growth 45%, reservoir and rolling plains 35%, farmland and marsh and stream 10%, city and city parks 10%).—Dec. 31; 9 a.m. to 4:30 p.m. Overcast to clear; temp. 32° to 50°; wind S to SW, calm to 30 m.p.h.; ground clear; streams partly frozen, reservoir mostly frozen. Twelve observers in 6 parties. Total party-hours, 14¼; total party-miles, 33½ (14½ on foot, 19 by car). Great Blue Heron, 1; Mallard, 467 (350±50, 117); Am. Widgeon, 12; Green-winged Teal, 10; teal (believed to be Blue-winged), 10; Red-tailed Hawk, 4; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 1; Bob-White, 6; Ring-necked Pheasant, 4; rail (believed to be Sora), 1; Killdeer, 2; Wilson's Snipe, 15; Belted Kingfisher, 1; Red-shafted Flicker, 15; Hairy Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 157 (150 est., 7); Steller's Jay, 28; Scrub Jay, 1; Am. Magpie, 102; Am. Crow, 62; Piñon Jay, 1; Black-capped Chickadee, 22; Mountain Chickadee, 9; Pygmy Nuthatch, 2; Brown Creeper, 1; Long-billed Marsh Wren, 2; Am. Robin, 1; Mountain Bluebird, 1; Golden-crowned Kinglet, 2; Water Pipit, 1; Gray Shrike, 2; Common Starling, 3; House Sparrow, 482 (450 est., 32); Western Meadowlark, 30; Red-winged Blackbird, 183 (150 est., 33); Cassin's Finch, 11; Evening Grosbeak, 6; House Finch, 158 (120 est., 38); Common Redpoll, 2; Pine Siskin, 123 (100 est., 23); Spotted Towhee, 8; White-winged Junco, 7; Slate-colored Junco, 21; Oregon Junco, 235 (including Pink-sided, 191); Gray-headed Junco, 12; unidentified juncos, 52 (est.); Am. Tree Sparrow, 279; (250±50, 29); White-crowned Sparrow, 60 (50 est., 10); Song Sparrow, 153 (150±50, 3); Lapland Longspur, 3. **Total,** 52 species (1 additional subspecies); about 2778 individuals.—Mrs. T. L. Adams, Mr. and Mrs. G. L. Catlett, Mrs. Daniel daCruz, Mary Alice Hamilton, Mrs. Frank Sample (compiler), Mrs. I. B. Roberts, Mary Shirer, George Sinton, Mrs. Mahlon Spears, Robert Stabler, James Turner, Mrs. H. J. Wagner (Aiken Ornithological Society).

384. Denver, Colo. (7½-mile radius centering ½ mile south of Mississippi Ave. and ½ mile west of Sheridan Blvd., in Jefferson Co., including city, Berkeley, Rocky Mt., Cheesman, Sloan's Lake and Red Rocks Parks, Marston Lake, Federal Center, and Mt. Olivet Cemetery; elevation 5200-6500 ft.; city parks 10%, lakes and reservoirs 15%, irrigated farms 20%, bottomland [cottonwood] 20%, cattail marsh 5%, open dry slopes and grass land 10%, brush 5%, sandstone rocks and cliffs 10%, city and suburbs 5%).—Dec. 30; 7 a.m. to 5 p.m. Partly cloudy; temp. 20° to 50°; wind W to NW, 8-12 m.p.h.; ground bare, lakes 50-90% frozen, creeks partly frozen. Fifteen observers in 3 parties. Total party-hours, 22 (14 on foot, 8 by car); total party-miles, 74 (14 on foot, 60 by car). Canada Goose, 225; Mallard, 2219 (2150±200, 69); Gadwall, 1; Am. Widgeon, 81; Pintail, 24; Green-winged Teal, 28; unidentified teal, 12; Shoveller, 54; Ring-necked Duck, 60; Lesser Scaup, 2; Am. Golden-eye, 60; Buffle-head, 3; Ruddy Duck, 1; Am. Merganser, 350; Red-breasted Merganser, 4; Red-tailed Hawk, 5; Rough-legged Hawk, 3; Marsh Hawk, 1; Prairie Falcon, 2; Sparrow Hawk, 4; Ring-necked Pheasant, 39; Am. Coot, 5; Killdeer, 7; Wilson's Snipe, 3; Herring Gull, 3; Ring-billed Gull, 111; California Gull, 2; Horned Owl, 2; Belted Kingfisher, 1; Red-shafted Flicker, 23; Lewis's Woodpecker, 8; Hairy Woodpecker, 2; Downy Woodpecker, 2; Horned Lark, 9; Steller's Jay, 1; Scrub Jay, 4; Am. Magpie, 101; Black-capped Chickadee, 19; Mountain Chickadee, 4; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 4; Brown Creeper, 4; Am. Dipper, 1; Cañon Wren, 1; Am. Robin, 5; Townsend's Solitaire, 5; Common Starling, 25; House Sparrow, 45; Western Meadowlark, 45; Red-winged Blackbird, 2807 (2800±200, 7); Rusty Blackbird, 1; Evening Grosbeak, 24; House Finch, 45; Am. Goldfinch, 2; Spotted Towhee, 2; Slate-colored Junco, 5; Oregon Junco, 154 (Shufeldt's, 52; Pink-sided, 102); Gray-headed Junco, 15; Am. Tree Sparrow, 10; Song Sparrow, 18. **Total,** 59 species (1 additional subspecies); about 6706 individuals.—Pete Asborno, Lang Baily, Frank Buckman, Mrs. Arthur H. Crow, Donald McLain, Margaret Miller, Sadie Morrison, Robert J. Niedrach, Virgil Rosenbaum, Donald M. Thatcher (compiler), Olga Vrtatko, Thomas Waring, Harold Webster, Ruth Wheeler, Mrs. Ruth Woodward (Colorado Bird Club).

385. Durango, Colo. (south from town to Bondad, 15 miles, principally in Animas River Valley, with side trips across; Florida Mesa; scrub oak and piñon 50%, open farmland 15%, cottonwood and willow thickets 10%, sagebrush 25%, elevation 6000 to 7000 ft.).—Dec. 29; 7:30 a.m. to 5:30 p.m. Clear to light clouds; temp. 12° to 45°; wind less than 1 m.p.h.; no snow; cattleponds and river's edge frozen. Four observers in 1 party. Total party-hours, 10 (2 on foot, 8 by car); total party-miles, 95 (5 on foot, 90 by car). Mallard, 37; Green-winged Teal, 6; Am. Merganser, 7; Swainson's Hawk, 1; Golden Eagle, 1; Sparrow Hawk, 4; Red-shafted Flicker, 2; Horned Lark, 100; Steller's Jay, 15; Scrub Jay, 12; Am. Magpie, 66; Common Raven, 3; Piñon Jay, 30; Black-capped Chickadee, 2; Common Bushtit, 20; White-breasted Nuthatch, 4; Am. Dipper, 2; Am. Robin, 5; Mountain Bluebird, 80; House Sparrow, 75; Brewer's Blackbird, 10; Am. Goldfinch, 2; Oregon Junco, 125; Gray-headed Junco, 30; Fox Spar-

row, 1; Song Sparrow, 3. **Total,** 26 species; 643 individuals. (Seen within the week, 1 Killdeer; 1 Sharp-shinned Hawk; a flock of Common Starlings, here all fall; 1st report for area.)—Joseph and Marion Brown Borden, Thomas J. Frizell, Oppie Reams.

386. Fort Collins, Colo. (same area as last year; open farmland 38%, cottonwood riverbottom 20%, ponderosa pine-Douglas fir mountain canyons 15%, mountain mahogany foothills 7%, city park-cemetery-town mixed growth 7%, bulrush and cattail marshes 3%, irrigation reservoirs 10%).—Dec. 29; 7 a.m. to 5 p.m. Clear; temp. 21° to 41°; wind NW, 1-10 m.p.h.; ground bare; most of fresh water open. Four observers in 2 parties. Total party-hours, 18 (6½ on foot, 11½ by car); total party-miles, 162 (10 on foot, 152 by car). Mallard, 1155; Pintail, 30; Green-winged Teal, 70; Am. Golden-eye, 21; Am. Merganser, 17; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Ferruginous Hawk, 1; Golden Eagle, 5; Marsh Hawk, 7; Prairie Falcon, 2; Pigeon Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 61; Killdeer, 5; Ring-billed Gull, 5; Belted Kingfisher, 1; Red-shafted Flicker, 29; Lewis's Woodpecker, 18; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 30; Steller's Jay, 53; Scrub Jay, 3; Am. Magpie, 89; Am. Crow, 4; Black-capped Chickadee, 7; Mountain Chickadee, 8; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Pygmy Nuthatch, 11; Brown Creeper, 5; Am. Dipper, 1; Rock Wren, 3; Am. Robin, 10; Townsend's Solitaire, 4; Ruby-crowned Kinglet, 1; Gray Shrike, 4; Common Starling, 42; House Sparrow, 68; Western Meadowlark, 65; Red-winged Blackbird, 75; Evening Grosbeak, 7; Cassin's Finch, 6; House Finch, 67; Pine Siskin, 100; Slate-colored Junco, 5; Oregon Junco, 60; Gray-headed Junco, 11; Am. Tree Sparrow, 62; White-crowned Sparrow, 9; Song Sparrow, 13. **Total,** 52 species; 2263 individuals.—P. H. Baldwin, R. G. Beidleman (compiler), R. A. Ryder, J. H. Wampole (Zoology Department and Cooperative Wildlife Research Unit, Colorado A & M College).

387. Grand Junction, Colo. (Grand Junction to Fruita vicinity; by oval route; to river, by-roads, canals, in farming and fruit country).—Jan. 1; 8 a.m. to 5 p.m. Clear; temp. 30° to 40°; no wind. Three observers in 1 party. Total party-hours, 9 (6½ on foot, 2½ by car); total party-miles, 43 (3 on foot, 40 by car). Mallard, 25; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Gambel's Quail, 30; Ring-necked Pheasant, 4; Red-shafted Flicker, 9; Horned Lark, 290; Am. Magpie, 31; Mountain Chickadee, 1; Bewick's Wren, 1; Am. Robin, 31; Mountain Bluebird, 35; Gray Shrike, 5; Common Starling, 250; House Sparrow, 400; Western Meadowlark, 106; Red-winged Blackbird, 220; Brewer's Blackbird, 4; Evening Grosbeak, 2 (L.E.); House Finch, 4; Pine Siskin, 130; Am. Goldfinch, 1; Oregon Junco, 23; Gray-headed Junco, 21; Harris's Sparrow, 1; White-crowned Sparrow, 186; Song Sparrow, 8. **Total,** 28 species; 1824 individuals.—Lucy F. Ela, Mr. and Mrs. F. S. Carman (compiler).

388. Greeley, Colo. (7½-mile radius from center of city, including Latham Reservoir, wooded bottomland along South Platte and Cache la Poudre Rivers, farmland, roadsides, parks and cemetery; open water 10%, bottomland 40%, farmland and roadsides 35%, parks 15%).—Dec. 30; 7 a.m. to 5 p.m. Clear early a.m., partly cloudly p.m.; temp. 10° to 42°; wind NW, 0-2 m.p.h.; ground bare, ponds frozen, rivers open, some open water at Latham. Six observers in 3 parties. Total party-hours, 17½ (10 on foot, 7½ by car); total party-miles, 92 (13 on foot, 79 by car). Snow Goose, 3; Mallard, 3023 (3000 est., 23); Green-winged Teal, 2; Am. Merganser, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Golden Eagle, 1; Marsh Hawk, 9; Prairie Falcon, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 22; Killdeer, 8; Wilson's Snipe, 1; Herring Gull, 1; Ring-billed Gull, 6; Mourning Dove, 7; Belted Kingfisher, 4; Red-shafted Flicker, 33; Downy Woodpecker, 4; Lewis's Woodpecker, 7; Horned Lark, 29; Steller's Jay, 10; Am. Magpie, 258; Black-capped Chickadee, 18; Winter Wren, 1; Am. Robin, 39; Common Starling, 104; House Sparrow, 207; Western Meadowlark, 121; Red-winged Blackbird, 1067; Evening Grosbeak, 56; House Finch, 10; Common Redpoll, 2; Pine Siskin, 30; Am. Goldfinch, 3; Slate-colored Junco, 3; Oregon Junco, 96; Gray-headed Junco, 1; Am. Tree Sparrow, 175; White-crowned Sparrow, 12; Song Sparrow, 16. **Total,** 41 species; about 5394 individuals. (Seen in area Dec. 24: Canada Goose, 1; Barn Owl, 1; Dec. 27: Brown Creeper, 1).—Mr. & Mrs. R. L. Meager, Mr. & Mrs. Kenneth Tegtman, Jim Overman, Mrs. Carl N. Collister (compiler).

389. Jefferson County, Colo. (Genesee Mountain Park [2 square miles], Lookout Mountain Park [½ square mile] of Denver Mountain Parks, and 4 miles of highway between; elevation 7200-8300 feet; dense Douglas Fir-Lodgepole Pine forest 20%, open Ponderosa Pine 50%, grassland 30%).—Dec. 26; 7:15 a.m. to 2:45 p.m. Cloudy, occasional light snow, trees frost-covered; temp. 20° to 40°; wind E to NW, 8-12 m.p.h.; ground bare; water (1 small brook) partly frozen. Two observers, together. Total party-hours, 7½ (7 on foot, ½ by car); total party-miles, 12 (7 on foot, 5 by car). Red-tailed Hawk, 1; Hairy Woodpecker, 3; Steller's Jay, 2; Am. Magpie, 12; Am. Crow, 1; Mountain Chickadee, 32; White-breasted Nuthatch, 5; Pygmy Nuthatch, 53; Brown Creeper, 12; Townsend's Solitaire, 5; Cassin's Finch, 6; White-winged Junco, 3; Slate-colored Junco, 45; Oregon Junco, 7 (Shufeldt's, 4; Pink-sided, 3); Gray-headed Junco, 2. **Total,** 15 species (1 additional subspecies); 189 individuals. (Seen in area Dec. 24: Clark's Nutcracker, 1; Red-breasted Nuthatch, 1; Golden-crowned Kinglet, 2.)—Virgil Rosenbaum, Donald M. Thatcher.

390. Lyons, Colo. (same area as last year, about 10 miles in diameter surrounding Lyons; to Little Thompson Creek, MacIntoch Lake, 4 miles south on Boulder Foothills Road, and 4 miles west; lakes 10%, open farmland 25%, creek bottoms 20%, Ponderous Pine-Douglas Fir forests 25%, mixed growth on mountains 20%).—Dec. 31; 7:30 a.m. to 4:30 p.m. Clear, became overcast in p.m.; temp. 20° to 50°; wind W, 0-10 m.p.h.; reservoirs and ponds mostly open; no snow on ground, traces in mountains. Two observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 76 (6 on foot, 70 by car). Great Blue Heron, 1; Mallard, 80; Rough-legged Hawk, 1; Golden Eagle, 1; Sparrow Hawk, 1 (at 10 ft.); Ring-necked Pheasant, 27; Killdeer, 5; Wilson's Snipe, 5; Belted Kingfisher, 1; Red-shafted Flicker, 24; Lewis's Woodpecker, 1; Hairy Woodpecker, 1; Steller's Jay, 20; Scrub Jay, 5; Am. Magpie, 53; Am. Crow, 300 (est); Black-capped Chickadee, 15; Mountain Chickadee, 13; Common Bushtit (Lead-colored), 20 (small, long-tailed gray birds with brown face patches in company with chickadees; several observed at 5-10 ft.; 2 different flocks); White-breasted Nuthatch, 2; Brown Creeper, 1; Am. Dipper, 2; Cañon Wren, 1; Am. Robin, 8; Mountain Bluebird, 2; Townsend's Solitaire, 16; Common Starling, 48; House Sparrow, 53; Western Meadowlark, 78; Red-winged Blackbird, 100; Evening Grosbeak, 21; Cassin's Finch, 39; House Finch, 18; Pine Siskin, 32; Am. Goldfinch, 4; White-winged Junco, 8; Slate-colored Junco, 6; Oregon Junco, 33 (inc. Pink-sided, at least 5); Gray-headed Junco, 1; (unidentified juncos, 35); Am. Tree Sparrow, 7; Song Sparrow, 2. **Total,** 41 species (1 additional subspecies); about 1091 individuals. (Seen in area Dec. 26: Am. Merganser, 300 [est.]; Sharp-shinned Hawk, 1; gull [either Herring or Ring-billed], 8; Downy Woodpecker, 4; Horned Lark, 2; Pygmy Nuthatch, 25; Spotted Towhee, 3.)—Mrs. H. M. Kingery, Hugh E. Kingery.

391. Bitter Lake National Wildlife Refuge, Roswell, N. Mex. (ponds, dikes, tamarisk thickets along Pecos River, cropland, grassy uplands on headquarters unit and from refuge headquarters into Roswell; ponds and dikes 85%, cropland 10%, tamarisk thickets 3%, grassy uplands 2%).—Dec. 27; 7 a.m. to 5 p.m. Overcast in a.m., clear in p.m.; temp. 20° to 44°; wind N, 4-5 m.p.h.; ponds mostly open, some ice around edges. Two observers in 1 party. Total party-hours, 10 (3 on foot, 7 by car); total party-miles, 37 (2 on foot, 35 by car). Eared Grebe, 2; Pied-billed Grebe, 16; Great Blue Heron, 30; Am. Egret, 1; Black-crowned Night Heron, 22; Am. Bittern, 1; Canada Goose, 35; Mallard, 26,150 (24,000 est., 2150); Gadwall, 600 (500 est., 100); Am. Widgeon, 31,100 (30,000 est., 1100); Pintail, 34,200 (32,000 est., 2200); Green-winged Teal, 50; Shoveller, 640 (450 est., 190); Redhead, 100; Canvas-back, 870 (750 est., 120); Lesser Scaup, 124; Am. Golden-eye, 5; Buffle-head, 56; Ruddy Duck, 20; Am. Merganser, 112; Cooper's Hawk, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 10; Osprey, 1; Sparrow Hawk, 6; Scaled Quail, 48; **Sandbill Crane,** 11,005 (6200 est., 4805); Am. Coot, 1685 (1000 est., 685); Greater Yellow-legs, 14; Ring-billed Gull, 10; Belted Kingfisher, 2; Red-shafted Flicker, 25; Horned Lark, 307; Long-billed Marsh Wren, 5; Water Pipit, 1; Loggerhead Shrike, 7; Common Starling, 1; House Sparrow, 110; Western Meadowlark, 14; Red-winged Blackbird, 500; Brewer's Blackbird, 30; Lesser Goldfinch, 4; Spotted Towhee, 1; Oregon Junco, 90; Am. Tree Sparrow, 4; White-crowned Sparrow (Gambel's), 40; Lincoln's Sparrow, 1; **Swamp Sparrow, 1;** Song Sparrow, 13. **Total,** 50 species; about 108,075 individuals. Regular winter residents missed on census but seen before and after: Snow Goose, Ring-necked Pheasant, Road-runner. —Raymond J. Fleetwood (compiler), Ray H. Hunter.

392. Bosque del Apache National Wildlife Refuge, San Antonio, N. Mex. (that portion of refuge lying west of Rio Grande River from Unit No. 24 to Northern boundary and west to foothills at former C.C.C. site; north to San Antonio via highway No. 85 and point on levee 1 mile north of bridge on highway No. 380 across the Rio Grande River; ponds and dikes 70%, irrigated farmland 20%, river bosque 5%, creosote bush-mesquite upland 5%). Dec. 28; 6 a.m. to 5 p.m. Cloudy a.m., clear p.m.; temp. 9° to 53°; wind NW, 3-5 m.p.h.; ponds partially frozen, ditches open. Two observers in 2 parties. Total party-hours, 12 (5 on foot, 7 by car); total party-miles, 58 (4 on foot, 54 by car). Pied-billed Grebe, 6; Great Blue Heron, 32; Am. Egret, 9; Snowy Egret, 1; Black-crowned Night Heron, 2; **Am. Bittern,** 9; Canada Goose, 2454; Snow Goose, 200; Blue Goose, 3; Mallard, 5120 (4000 est., 1120); New Mexican Duck, 2; Gadwall, 304; Am. Widgeon, 450; Pintail, 7580 (5000 est., 2580); Green-winged Teal, 186; Shoveller, 298; Redhead, 10; Ring-necked Duck, 18; Canvas-back, 118; Lesser Scaup, 50; Buffle-head, 4; Ruddy Duck, 16; Am. Merganser, 518; Cooper's Hawk, 1; Red-tailed Hawk, 19; Golden Eagle, 2; Bald Eagle, 1; Marsh Hawk, 13; Sparrow Hawk, 7; **Gambel's Quail,** 190 (9 coveys); Ring-necked Pheasant, 1; Sandhill Crane, 116; Am. Coot, 362; Killdeer, 2; Wilson's Snipe, 13; Greater Yellow-legs, 7; Mourning Dove, 7; Road-runner, 1; Screech Owl, 2; Horned Owl, 4; Belted Kingfisher, 4; Red-shafted Flicker, 60; Hairy Woodpecker, 4; Ladder-backed Woodpecker, 6; Black Phoebe, 1; Say's Phoebe, 5; Horned Lark, 7; Scrub Jay, 1; Am. Magpie, 1; Mountain Chickadee, 8; White-breasted Nuthatch, 1; Bewick's Wren, 3; **Long-billed Marsh Wren,** 28; Am. Robin, 5; Hermit Thrush, 1; Western Bluebird, 12; Mountain Bluebird, 10; Ruby-crowned Kinglet, 10; Water Pipit, 5; Loggerhead Shrike, 5; Common Starling, 8; Audubon's Warbler, 3; House Sparrow, 32; Western Meadowlark, 72; Yellow-headed Blackbird, 950; Red-winged Black-

bird, 62,160 (60,910 est., 1250); Brewer's Blackbird, 5; House Finch, 32; Lesser Goldfinch, 13; Spotted Towhee, 13; Brown Towhee, 1; Savannah Sparrow, 65; Oregon Junco, 85; White-crowned Sparrow, 437; Swamp Sparrow, 3; Song Sparrow, 98. **Total,** 76 species; 82,292 individuals.—Raymond J. Fleetwood, J. Jack Sadosuk.

393. Coronado National Forest, Cloverdale, N. Mex. (7½-mile radius centering in Cloverdale, north to Eicks Ranch, south to Mexican line, west to Ranger St.; live oak-juniper 60%, grama grass grazing land 40%).—Dec. 30; 7:15 a.m. to 5:45 p.m. Clear; temp. 23° to 68°; wind W, 3-5 m.p.h.; ground bare; water open. Two observers in 1 party. Total party-hours, 10½ (6 on foot, 4½ by car); total party-miles, 53 (12 on foot, 41 by car). Mallard, 11; Green-winged Teal, 26; Cooper's Hawk, 3; Red-tailed Hawk, 3; Golden Eagle, 1; Marsh Hawk, 8; Sparrow Hawk, 15; Gambel's Quail, 15; Killdeer, 15; Wilson's Snipe, 10; Mourning Dove, 58; Horned Owl, 1; Yellow-bellied Sapsucker, 1; Red-shafted Flicker, 28; Ladder-backed Woodpecker (Cactus), 3; **Arizona Woodpecker,** 2; Black Phoebe, 2; Say's Phoebe, 4; Horned Lark, 500 (300±25, 200); Scrub Jay (Woodhouse's), 20; **Arizona Wren,** 75; White-necked Raven, 1; Piñon Jay, 5; **Bridled Titmouse,** 10; Common Bushtit, 20; White-breasted Nuthatch, 5; Bewick's Wren (Baird's), 3; Long-billed Marsh Wren, 1; Rock Wren, 1; Am. Robin, 2; Western Bluebird, 44; **Mountain Bluebird,** 195; Ruby-crowned Kinglet, 9; Loggerhead Shrike, 8; House Sparrow, 40; Western Meadowlark, 64; Red-winged Blackbird, 1; Brewer's Blackbird, 1; Cassin's Finch, 1; House Finch, 55; Pine Siskin, 70; Spotted Towhee (Spurred), 7; Brown Towhee (Cañon), 3; Savannah Sparrow, 43; **Vesper Sparrow,** 147; Oregon Junco, 74 (Oregon 20; Pink-sided, 54); Gray-headed Junco (Red-backed), 1; **Chipping Sparrow,** 555 (300±25, 255); White-crowned Sparrow (Gambel's), 20; Lincoln's Sparrow, 1; Song Sparrow, 15; **McCown's Longspur,** 10; **Chestnut-collared Longspur,** 405 (250±25, 155). **Total,** 53 species (1 additional subspecies); about 2618 individuals. (Seen Dec. 31 within 5 miles of area: Black-throated Sparrow; Curve-billed Thrasher; **Zone-tailed Hawk,** 3; Road-runner; Pigeon Hawk.)—R. J. Fleetwood, D. MacDonald (compiler). [This is believed to be the first time this area has been visited at this season by ornithologist—Ed.]

394. Estancia, N. Mex. (7½-mile radius centering at a point 6 miles directly west of the town of Estancia, Torrance Co.; rolling prairie and sagebrush flats through juniper and piñon-juniper areas to lodgepole pine forest of the Manzano Mountains; prairie 30%, sagebrush and juniper 40%, forest 30%).—Dec. 30; 6:30 a.m. to 5 p.m. Clear and sunny; temp. 15° to 45°; wind WSW to N, 5-20 m.p.h.; occasional patches of snow in the forest; all water frozen. Two observers in 1 party. Total party-hours, 10½ (5 on foot, 5½ by car); total party-miles, 72 (6 on foot, 66 by car). Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Golden Eagle, 3; Sparrow Hawk, 1; Scaled Quail, 18; Killdeer, 1; Spotted Owl, 1; Hairy Woodpecker, 1; Horned Lark, 175; Steller's Jay, 9; Common Raven, 5; Piñon Jay, 21; Mountain Chickadee, 1; Plain Titmouse, 5; White-breasted Nuthatch, 1; Pygmy Nuthatch, 1; House Sparrow, 25; Western Meadowlark, 50; Brewer's Blackbird, 125; House Finch, 30; Slate-colored Junco, 1; Oregon Junco, 395 (including Pink-sided, 370); Gray-headed Junco, 760. **Total,** 25 species; 1633 individuals. (Seen in area Dec. 28; Turkey (Merriam's), 4; Gray Shrike, 1; Blue-winged Teal, 40; Horned Owl, 1.)—Gloria Jean Penwell (compiler), J. C. Penwell.

395. Santa Fe, N. Mex. (7½-mile radius centering on plaza, west along Agua Fria to golf course, east in mountains to Hyde Park, south to Arroyo Hondo, north to Tesuque ponds; forested Canadian zone 20%, piñon-juniper 60%, town 12%, farmland 4%, open prairie 4%).—Dec. 23; 6:30 a.m. to 5:30 p.m. Clear; temp. 10° to 56°; wind W, 0-10 m.p.h.; ground clear except for scattered snow in mountains; drought conditions, birds concentrated by water; all water open by noon. Six observers in 5 parties; total party-hours, 14½ (9 by car, 5½ on foot); total party-miles, 86 (8 on foot, 78 by car). Red-tailed Hawk, 1; Prairie Falcon, 1; Sparrow Hawk, 1; Gambel's Quail, 26; Scaled Quail, 47; Killdeer, 3; Horned Owl, 1; Red-shafted Flicker, 6; Lewis's Woodpecker, 2; Yellow-bellied Sapsucker (Red-naped), 1; Downy Woodpecker, 1; Horned Lark, 3; **Blue Jay,** 1; Steller's Jay (Long-crested), 10; Scrub Jay (Woodhouse's), 48; **Common Raven,** 128; Piñon Jay, 2; Clark's Nutcracker, 3; Mountain Chickadee, 10; Plain Titmouse (Gray), 2; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 12; Am. Robin, 42; **Western Bluebird (Chestnut-backed),** 63; **Townsend's Solitaire,** 202; Loggerhead Shrike (White-rumped), 1; Common Starling, 350; House Sparrow, 25; Western Meadowlark, 2; Evening Grosbeak (Western), 9; Cassin's Finch, 8; House Finch, 104; Pine Siskin, 10; Arkansas Goldfinch, 1; Brown Towhee (Cañon), 2; Oregon Junco, 34 (Oregon, 17; Pink-sided, 17); Gray-headed Junco, 10 (Gray-headed, 8; Red-backed, 2); junco (sp.), 386 (200±25, 186); White-crowned Sparrow (Gambel's), 48; Song Sparrow, 3. **Total,** 41 species; about 1610 individuals. (Screech Owl seen in area up to 18th [Porter]; Am. Crow and Am. Magpie, Dec. 25 [H.C.K.])—J. K. Jensen, H. C. Kyllingstad, D. MacDonald (compiler), E. F. Porter, W. W. Taylor, Mrs. F. Wilson.

396. Soccoro, N. Mex. (vicinity of McAlister Lake east to Pueblito, south along west side of the Rio Grande to the south end of Hope Farm; thence to Socorro, along Socorro ditch to Cuba then to Six-Mile canyon via highway No. 60;

cattail marsh 20%, river bosque 30%, irrigated farmland 30%, juniper-oak foothills 10%, mesquite-creosote bush 10%).—Dec. 23; 6:30 a.m. to 5:30 p.m. Cloudy in a.m., clear in p.m.; temp. 24° to 58°; wind N, 10-15 m.p.h.; ponds frozen, open water in river and ditches. Two observers in 2 parties. Total party-hours, 12 (7 on foot, 5 by car); total party-miles, 44 (6 on foot, 38 by car). Great Blue Heron, 11; Canada Goose, 50; Mallard, 15; Gadwall, 2; Am. Widgeon, 1; Pintail, 2; Green-winged Teal, 5; Shoveller, 9; Am. Merganser, 4; Cooper's Hawk, 2; Red-tailed Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 8; Gambel's Quail, 86 (3 coveys); Ring-necked Pheasant, 3; Sandhill Crane, 36; Killdeer, 9; Greater Yellow-legs, 1; Mourning Dove, 58; Horned Owl, 1; Red-shafted Flicker, 27; Hairy Woodpecker, 1; Ladder-backed Woodpecker, 2; Say's Phoebe, 4; Horned Lark, 200; Scrub Jay, 7 (Woodhouse's); Common Raven, 1; Bewick's Wren, 1; Long-billed Marsh Wren, 7; Rock Wren, 1; Am. Robin, 10; Mountain Bluebird, 18; Townsend's Solitaire, 1; Ruby-crowned Kinglet, 4; Water Pipit, 6; Loggerhead Shrike, 4; Common Starling, 5; Audubon's Warbler, 2; House Sparrow, 15; Western Meadowlark, 35; Yellow-headed Blackbird, 252; Red-winged Blackbird, 8000; House Finch, 59; Pine Siskin, 24; Lesser Goldfinch, 41; Spotted Towhee, 3; Savannah Sparrow, 5; Oregon Junco, 70; White-crowned Sparrow, 285; Fox Sparrow (Slate-colored), 1; Lincoln's Sparrow, 1; Song Sparrow, 59. **Total,** 52 species; about 9455 individuals.—Russel W. Clapper, Raymond J. Fleetwood (compiler).

397. Moscow, Idaho (6-mile radius about the city; open fields, stream bottoms, and low wooded ridges).—Dec. 28; 8 a.m. to 4:30 p.m. Cloudy; temp. 39° to 31°; wind E, light; ground covered with 1-in. fresh snow. Total hours, 8½; total miles, 38 (30 by car, 8 on foot). Mallard, 200+; Sharp-shinned Hawk, 1; Ruffed Grouse, 1; Mourning Dove, 1; Short-eared Owl, 3; Red-shafted Flicker, 7; Downy Woodpecker, 1; Am. Magpie, 11; Black-capped Chickadee, 5; Red-breasted Nuthatch, 3; Am. Robin, 40; Golden-crowned Kinglet, 1; Gray Shrike, 1; House Sparrow, 60; Evening Grosbeak, 8; Cassin's Finch, 2; House Finch, 2; Pine Siskin, 200+; Am. Goldfinch, 4; Spotted Towhee, 1; Oregon Junco, 45; Am. Tree Sparrow, 2; Song Sparrow, 6. **Total,** 23 species; 605+ individuals.—Thos. D. Burleigh.

398. Bear River Migratory Bird Refuge, Utah (from Refuge headquarters west along canal road, south and east over dikes to Perry, north following highway along foothills to Brigham, west through fields and over salt flats, touching points along Bear River, and back to headquarters: marsh and ponds 50%, fields and farmlands 25%, open pasture lands and river banks 25%).—Dec. 29; 9 a.m. to 4 p.m. Cloudy; temp. 30° to 33°; no wind; water in ponds 50% frozen, river open, light layer of snow on ground. Four observers in 1 party. Total party-hours, 7 (1 on foot, 6 by car); total party-miles, 41 (1 on foot, 40 by car). Western Grebe, 4; Pied-billed Grebe, 36; White Pelican, 1; Double-crested Cormorant, 4; Great Blue Heron, 36; Whistling Swan, 1150 (est.); Canada Goose, 382; Snow Goose, 1500 (est.); Mallard, 1300 (est.); Gadwall, 39; Am. Widgeon, 25; Pintail, 12,200 (est.); Green-winged Teal, 28,000 (est.); Cinnamon Teal, 1; Shoveller, 252; Redhead, 2; Canvas-back, 2; Am. Golden-eye, 3; Barrow's Golden-eye, 1; Buffle-head, 2; Ruddy Duck, 36; Hooded Merganser, 1; Am. Merganser, 15; Rough-legged Hawk, 7; Ferruginous Hawk, 1; Golden Eagle, 2; Marsh Hawk, 12; Peregrine Falcon, 4; Ring-necked Pheasant, 34; Am. Coot, 65; Wilson's Snipe, 1; Am. Avocet, 50; Herring Gull, 3; Ring-billed Gull, 28; Short-eared Owl, 2; Red-shafted Flicker, 2; Am. Magpie, 6; Common Raven, 27; Long-billed Marsh Wren, 3; Common Starling, 230; House Sparrow, 231; Western Meadowlark, 1; Red-winged Blackbird, 187; Am. Goldfinch, 40; Spotted Towhee, 1; Vesper Sparrow, 1; Oregon Junco, 1; White-crowned Sparrow, 20; Song Sparrow, 17. **Total,** 49 species; 45,968 individuals.—Leo T. Young, Allen G. Smith, G. H. Jensen, John K. Bauman (Bear River Migratory Bird Refuge).

399. Salt Lake City, Utah (7½-mile radius centering at City and County building; canyons and contiguous benchlands 40%, water courses, ponds and open country 40%, city parks, cemeteries and suburban areas 20%).—Dec. 24; 7:30 a.m. to 5:30 p.m. Fog all day; temp. 30° to 34°; no wind; ground bare, unfrozen; all water open. Thirty-one observers in 11 parties. Total party-hours, 89; total party-miles, 229 (110 on foot, 119 by car). Pied-billed Grebe, 15; Great Blue Heron, 2; Canada Goose, 7; Mallard, 135; Gadwall, 29; Am. Widgeon, 2500; Pintail, 869; Green-winged Teal, 506; Cinnamon Teal, 1; Shoveller, 36; Canvas-back, 114; Lesser Scaup, 2; Buffle-head, 16; Ruddy Duck, 24; Sharp-shinned Hawk, 3; Cooper's Hawk, 4; Red-tailed Hawk, 8; Rough-legged Hawk, 5; Golden Eagle, 6; Marsh Hawk, 15; Prairie Falcon, 1; Peregrine Falcon, 1; Sparrow Hawk, 18; Blue Grouse, 1; Ruffed Grouse, 7; California Quail, 1311; Ring-necked Pheasant, 99; Virginia Rail, 4; Am. Coot, 700; Killdeer, 117; Wilson's Snipe, 11; Greater Yellow-legs, 7; California Gull, 23; Ring-billed Gull, 430; Mourning Dove, 3; Screech Owl, 2; Horned Owl, 5; Short-eared Owl, 7; Belted Kingfisher, 1; Red-shafted Flicker, 126; Lewis's Woodpecker, 1; Yellow-bellied Sapsucker, 3; Williamson's Sapsucker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 10; Horned Lark, 198; Steller's Jay, 18; Scrub Jay, 55; Am. Magpie, 183; Common Raven, 10; Black-capped Chickadee, 193; Mountain Chickadee, 73; White-breasted Nuthatch, 1; Brown Creeper, 16; Am. Dipper, 6; Long-billed Marsh Wren, 13; Am. Robin, 166; Hermit Thrush, 1; Townsend's Solitaire, 4; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 7; Water Pipit, 3; Bohemian Waxwing, 48; Cedar Waxwing, 29; Gray Shrike, 3; Logger-

head Shrike, 1; Common Starling, 2950; House Sparrow, 6756; Western Meadowlark, 66; Red-winged Blackbird, 146; Brewer's Blackbird, 4507; Evening Grosbeak, 130; Cassin's Finch, 6; House Finch, 197; Black Rosy Finch, 35; Pine Siskin, 1807; Am. Goldfinch, 1160; Spotted Towhee, 20; Slate-colored Junco, 5; Oregon Junco, 387 (Pink-sided, 20); Gray-headed Junco, 36; Am. Tree Sparrow, 3; Harris's Sparrow, 1; White-crowned Sparrow, 136; Song Sparrow, 141. **Total,** 85 species (1 additional subspecies); 26,724 individuals.—William A. Bader, M. R. Chessman, Gerald Dalton, Mr. and Mrs. J. Donald Daynes and son, Mr. and Mrs. T. A. Dewey, Thayer Evans, Reed Ferris and son Bob, Mrs. Frank Jones, Harold B. Lamb, Robert Munghn, Mr. and Mrs. C. W. Lockerbie, Robert Pendleton, Boyd Shaffer, J. M. Stevens, Rex. B. Snow, Gerrit H. Steenblick, Mr. and Mrs. S. L. Tainter, Kenneth Tanner, Joseph J. Weidner, Bert Webb, N. R. Whitney, Ellis R. Wilson and son David, A. M. Woodbury, Ronnie Young (Utah Audubon Society).

400. Havasu Lake National Wildlife Refuge, Mohave Co., Ariz. (Arizona portion of refuge above Topock; open cattail marsh 50%, open water 15%, desert brush 30%, miscellaneous 5%).—Dec. 27; 7:10 a.m. to 5:40 p.m. Clear; temp. 40° to 70°; no wind. Two observers in 2 parties. Total party-hours, 14 (3 on foot, 1 by car, 10 by boat); total party-miles, 39 (3 on foot, 12 by car, 24 by boat). Eared Grebe, 1; Pied-billed Grebe, 4; Double-crested Cormorant, 105; Great Blue Heron, 54; Am. Egret, 30; Black-crowned Night Heron, 9; Canada Goose, 1106 (776 est., 330); White-fronted Goose, 1; Snow Goose, 808 (800 est., 8); Mallard, 19; Gadwall, 334; Am. Widgeon, 52; Green-winged Teal, 391 (360 est., 31); Ring-necked Duck, 3; Canvasback, 7; Buffle-head, 28; Ruddy Duck, 6; Turkey Vulture, 1; Sharp-shinned Hawk, or Cooper's Hawk, 1; Red-tailed Hawk, 4; Harris's Hawk, 30; Golden Eagle, 4; Marsh Hawk, 20; Pigeon Hawk, 1; Sparrow Hawk, 1; Gambel's Quail, 133; Sora, 3; Am. Coot, 927 (720 est)., 207); Wilson's Snipe, 1; Spotted Sandpiper, 1; Least Sandpiper, 3; Road-runner, 1; Horned Owl, 1; Belted Kingfisher, 6; Red-shafted Flicker, 15; Gila Woodpecker, 5; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 8; Black Phoebe, 10; Say's Phoebe, 2; Gray Flycatcher, 1; Vermilion Flycatcher, 21; Tree Swallow, 80 (est.); Verdin, 2; Bewick's Wren, 4; Long-billed Marsh Wren, 10; Mockingbird, 2; Crissal Thrasher, 3; Am. Robin, 2; Western Bluebird, 7; gnatcatcher (sp.), 10; Ruby-crowned Kinglet, 9; Water Pipit, 35; Phainopepla, 8; Loggerhead Shrike, 8; Orange-crowned Warbler, 4; Audubon's Warbler, 25; Common Yellowthroat, 2; Western Meadowlark, 2; Red-winged Blackbird, 2; Brewer's Blackbird, 66; Abert's Towhee, 4; Savannah Sparrow, 1; Sage Sparrow, 10; White-crowned Sparrow, 6; Song Sparrow, 16. **Total,** 66 species; about 4477 individuals. (Noted in area, Dec. 23: Steller's Jay, 1; Dec. 29: Ash-throated Flycatcher, 1; Sage Thrasher, 2; Dec. 30: Am. Bittern, 1; Shoveller, 10; Lesser Scaup, 1; Am. Golden-eye, 5; Killdeer, 6.)—Gale Monson, E. Stephen Stergios.

401. Imperial National Wildlife Refuge, Yuma, Ariz. (vicinity of Imperial Dam north to Martinez Lake and south to a point 3 miles south of Laguna Dam; open cattail marsh and reservoir 50%, flooded brushland types 30%, arrowweed brush 10%, desert 5%, cultivated fields 5%).—Dec. 26; 7:30 a.m. to 6 p.m. Clear; temp. 43° to 71°; no wind. Five observers in 2 parties. Total party-hours, 18½ (10 on foot, 5 by car, 3½ by boat); total party-miles, 39 (5 on foot, 30 by car, 4 by boat). Eared Grebe, 91; Pied-billed Grebe, 10; White Pelican, 10; Double-crested Cormorant, 7; Great Blue Heron, 20; Am. Egret, 359; Snowy Egret, 92; Black-crowned Night Heron, 1; Canada Goose, 280; Mallard, 2; Gadwall, 18; unidentified ducks, 381; Am. Widgeon, 32; Pintail, 15; Green-winged Teal, 25; Blue-winged Teal, 4; Shoveller, 55; Red-head, 4; Canvasback, 25; Lesser Scaup, 2; Ruddy Duck, 93; Am. Merganser, 22; Turkey Vulture, 11; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Harris's Hawk, 2; Marsh Hawk, 5; Osprey, 2; Peregrine Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 10; Gambel's Quail, 24; Clapper Rail, 1 (Mrs. J.A.M.); Sora, 3; Am. Coot, 439; Killdeer, 20; Wilson's Snipe, 12; Solitary Sandpiper, 6 [no details—Ed.]; Least Sandpiper, 25; Dowitcher, 1; Mourning Dove, 61; Ground Dove, 9; Road-runner, 2; Horned Owl, 1; Belted Kingfisher, 6; Red-shafted Flicker, 7; Gila Woodpecker, 11; Ladder-backed Woodpecker, 1; Black Phoebe, 6; Say's Phoebe, 4; Vermilion Flycatcher, 1; Violet-green Swallow, 201 (J.A.M.); Tree Swallow, 7; Rough-winged Swallow, 40; Steller's Jay, 1 (A.F.H.); Common Raven, 1; Verdin, 3; House Wren, 2; Long-billed Marsh Wren, 12; Rock Wren, 7; Mockingbird, 6; Crissal Thrasher, 1; Am. Robin, 6; Mountain Bluebird, 2; Blue-gray Gnatcatcher, 34; Ruby-crowned Kinglet, 2; Water Pipit, 1 (A.F.H.); Phainopepla, 3; Loggerhead Shrike, 21; Audubon's Warbler, 56; House Sparrow, 24; Western Meadowlark, 7; Yellow-headed Blackbird, 1000±; Red-winged Blackbird, 1200±; Brewer's Blackbird, 5105±; Bronzed Cowbird, 7; House Finch, 21; Abert's Towhee, 2; Savannah Sparrow, 26; Oregon Junco, 15; White-crowned Sparrow, 73; Song Sparrow, 7. **Total,** 82 species (1 additional subspecies); about 10,119 individuals.—J. A. Munro, Mrs. J. A. Munro, Eben McMillan, Arthur F. Halloran (compiler), Gerald E. Duncan.

402. Salt River (Maricopa Co.), Ariz. (Blue Point west to Salt River Indian Reservation; river, mesquite and *Baccharis* with rows of cottonwoods, and nearly-dry slough, lake, etc., 66%, irrigated farmland and landscaped desert homes 18%, saguaro and creosote desert and hills 16%). —Dec. 26; 6:25 a.m. to 5:30 p.m. Mostly clear

to 4 p.m.; temp. 32° to 73°; wind variable, 2-15 m.p.h.; to 4 p.m., then strong W wind and dusty; river very low. Observers together. Total party-hours, 11 (7 on foot, 4 by car); total party-miles, 70 (5 on foot, 65 by car). Great Blue Heron, 3; Am. Egret, 3; Green Heron, 1; ducks (sp.), 56; Mallard, 2; teal (sp.) 2; Am. Merganser, 5; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 32; Gambel's Quail, 102; Sora, 1; Am. Coot, 7; Killdeer, 30+; Wilson's Snipe, 4; Spotted Sandpiper, 3; Least Sandpiper, 21; Mourning Dove, 365; Inca Dove, 1; Red-shafted Flicker, 7; Gilded Flicker, 4; Gila Woodpecker, 32; Ladder-backed Woodpecker, 9; Black Phoebe, 17; Say's Phoebe, 2; Gray Flycatcher, 4; Steller's Jay, 1 (A.R.P.); Scrub Jay, 17; Common Raven, 2; Bridled Titmouse, 4; White-breasted Nuthatch, 10; Bewick's Wren, 22; Cactus Wren, 3; Long-billed Marsh Wren, 3; Canyon Wren, 1; Rock Wren, 2; Mockingbird, 8; Bendire's Thrasher, 9; Curve-billed Thrasher, 5; Crissal Thrasher, 2; Western Bluebird, 41+; Blue-gray Gnatcatcher, 10; Black-tailed Gnatcatcher, 6; Ruby-crowned Kinglet, 25; Water Pipit, 14+; Phainopepla, 18; Loggerhead Shrike, 12; Hutton's Vireo, 1 (coll.); Audubon's Warbler, 25+; House Sparrow, 87; Western Meadowlark, 53+; Red-winged Blackbird, 455 (est.); Brewer's Blackbird, 25 (est.); Cardinal, 14; House Finch, 79; Lawrence's Goldfinch, 1; Brown Towhee, 1; Abert's Towhee, 36; Black-throated Sparrow, 17; Oregon Junco (Shufeldt's), 3; Spizella (sp.), 2; White-crowned Sparrow, 90+ (*oriantha*, 1; Gambel's, 89+); Song Sparrow, 8. **Total,** 65 species (1 additional subspecies); about 1860+ individuals.—A. R. Phillips, L. D. Yaeger.

403. Santa Catalina Mts., Ariz. (usual area; pine-fir forest 23%, live oak woods 9%, foothill canyons 12%, washes and desert foothills 6%, ranches and ponds 40%, cottonwood-mesquite bottomland 10%).—Dec. 30; 3:30 a.m. to 5:58 p.m. Scattered thin clouds; temp. about 30° to 74° at foot of mountains; wind local, mostly in higher areas, not heavy; no snow, and area very dry. Seventeen observers, 16 in 8 parties, plus casual observation at foothill home by 1 other. Total party-hours, 63+; total party-miles, 300+ (30 on foot, 270+ by car). Pied-billed Grebe, 2; Great Blue Heron, 3; Green Heron, 5; Sharp-shinned Hawk, 4+; Cooper's Hawk, 3+; Red-tailed Hawk, 7; Golden Eagle, 2; Sparrow Hawk, 15; Gambel's Quail, 224+; Turkey, 3; Virginia Rail, 1; Sora, 3; Am. Coot, 14; Killdeer, 6; Mourning Dove, 177; White-winged Dove, 1; Ground Dove, 5; Inca Dove, 60; Roadrunner, 7; Screech Owl, 6; Horned Owl, 4; Belted Kingfisher, 4; Red-shafted Flicker, 59; Gilded Flicker, 20; Gila Woodpecker, 121+; Acorn Woodpecker, 5; Yellow-bellied Sapsucker, 10; Williamson's Sapsucker, 1+; Hairy Woodpecker, 29; Ladder-backed Woodpecker, 18; Arizona Woodpecker, 2; Eastern Phoebe, 1 (A.R.P.); Black Phoebe, 14; Say's Phoebe, 11; Coues's Flycatcher, 1 (heard singing and calling repeatedly—J.T.M.); Vermilion Flycatcher, 6; Beardless Flycatcher, 6; Steller's Jay, 41 (widespread); Scrub Jay, 42 (widespread); Arizona Jay, 30; Common Raven, 9; Clark's Nutcracker, 2 (R.B.S.); Mountain Chickadee, 54; Bridled Titmouse, 11; Verdin, 33; White-breasted Nuthatch, 56+ (widespread); Pygmy Nuthatch, 142+; Brown Creeper, 19; House Wren, 13; Bewick's Wren, 16; Cactus Wren, 43; Long-billed Marsh Wren, 5; Canyon Wren, 13; Rock Wren, 21; Mockingbird, 7; Curve-billed Thrasher, 53; Crissal Thrasher, 5; Sage Thrasher, 1; Am. Robin, 101; Hermit Thrush, 6; Western Bluebird, 470+ Mountain Bluebird, 41; Townsend's Solitaire, 17; Blue-gray Gnatcatcher, 7 (plus 9 unidentified gnatcatchers); Black-tailed Gnatcatcher, 7; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 154+ (mostly in higher mountains); Water Pipit, 43+; Cedar Waxwing, 5; Phainopepla, 21; Loggerhead Shrike, 6; Hutton's Vireo, 3; Solitary Vireo (Cassin's), 2; Orange-crowned Warbler, 3; Parula Warbler, 1 (A.R.P.); Oliver Warbler, 4 (R.B.S.); Audubon's Warbler, 30; Black-throated Gray Warbler, 1; Common Yellowthroat, 1; House Sparrow, 88; Western Meadowlark, 18 (plus 30 unidentified meadowlarks); Yellow-headed Blackbird, 3; Red-winged Blackbird, 113; Brewer's Blackbird, 25+; Cardinal, 56; Pyrrhuloxia, 17+; Cassin's Finch, 18 (±2); House Finch, 140+; Pine Siskin, 16; Am. Goldfinch, 14; Lesser Goldfinch, 29; Lawrence's Goldfinch, 160; Green-tailed Towhee, 13; Spotted Towhee, 27; Brown Towhee, 56; Abert's Towhee, 8; Savannah Sparrow, 4; Vesper, Sparrow, 42; Lark Sparrow, 115+; Rufous-winged Sparrow, 2 (A.J.F.); Rufous-crowned Sparrow, 22; Black-throated Sparrow, 95; Slate-colored Junco, 3 (2 parties); Oregon Junco, 286 (Shufeldt's, 260; Pink-sided, 26); Gray-headed Junco, 7; Arizona Junco, 21; Chipping Sparrow, 611; Brewer's Sparrow, 47; Black-chinned Sparrow, 72; White-crowned Sparrow, 35 (including *oriantha*); Fox Sparrow, 3; Lincoln's Sparrow, 21; Song Sparrow, 31 (including 1 Desert-type). **Total,** 113 species (3 additional subspecies); about 4983+ individuals. —C. Bielfeldt, V. Bohrer, S. Boyd, Mr. and Mrs. W. X. Foerster, D. Groner, L. L. Hargrave, J. T. Marshall, Jr., Mr. and Mrs. E. T. Nichols, I. Peters, A. R. Phillips, V. Ramsdell, R. B. Streets, Mr. and Mrs. R. J. Thornburg, J. J. Timmons (Bird Club of Tucson Natural History Society, Tucson Audubon Society).

404. Tucson, Ariz. (usual area, but parts of Rillito Valley covered for first time; irrigated farmland 32%, pond areas 24%, city areas 13+%, saguaro hills 12%, riparian cottonwoods and brush 8%, mesquite bottomlands 7%, desert and washes 4%).—Dec. 23; 6:15 a.m. to 6 p.m. Clear after dawn; temp. 29° to 79°; wind local, 0-10 m.p.h. Twenty-eight observers, 16 in 6 parties, plus casual observations in city and settled area by twelve others. Total party-hours, 50¾+; total party-miles, 185 (18 on foot, 167 by car). Green

Heron, 4; Black Vulture, 76; Goshawk, 1 (R.B.S., V.B., V.R.); Sharp-shinned Hawk, 4+; Cooper's Hawk, 3; Red-tailed Hawk, 6; Ferruginous Hawk, 1; Golden Eagle, 2; Marsh Hawk, 4; Prairie Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 34; Gambel's Quail, 485+; Killdeer, 44; Wilson's Snipe, 11; Mourning Dove, 453; White-winged Dove, 10 (2 parties); Ground Dove, 14; Inca Dove, 277+; Road-runner, 12; Screech Owl, 2; Horned Owl, 5; White-throated Swift, 40; Rufous Hummingbird, 1 (B.C.); Red-shafted Flicker, 92; Gilded Flicker, 14; Gila Woodpecker, 71; Lewis's Woodpecker, 3; Yellow-bellied Sapsucker, 2; Ladder-backed Woodpecker, 13; Black Phoebe, 13; Say's Phoebe, 17; Gray Flycatcher, 2 (A.R.P.); Vermilion Flycatcher, 21; Horned Lark, 180+; Steller's Jay, 4 (2 parties); Scrub Jay, 9 (3 parties); Common Raven, 2; Bridled Titmouse, 18; Verdin, 45; White-breasted Nuthatch, 23+ (3 parties); Red-breasted Nuthatch, 2 (A.J.F., W.X.F., H.B.D.); House Wren, 20; Bewick's Wren, 3; Cactus Wren, 70; Long-billed Marsh Wren, 5; Canyon Wren, 1; Rock Wren, 6; Mockingbird, 14; Bendire's Thrasher, 12; Curve-billed Thrasher, 81+; Crissal Thrasher, 12; Am. Robin, 70+; Hermit Thrush, 2; Mountain Bluebird, 471+; Blue-gray Gnatcatcher, 15 (plus 3 unidentified gnatcatchers); Black-tailed Gnatcatcher, 5; Ruby-crowned Kinglet, 25; Water Pipit, 26+; Phainopepla, 17; Loggerhead Shrike, 34; Hutton's Vireo, 4 (±1); Solitary Vireo, 2 (Cassin's, 1; Plumbeous, 1); Orange-crowned Warbler, 11; Parula Warbler, 1 (collected); Audubon's Warbler, 59; Black-throated Gray Warbler, 3; House Sparrow, 1771+; Western Meadowlark, 147 (plus 200 unidentified meadowlarks); Yellow-headed Blackbird, 3602 (3500 est., 102); Red-winged Blackbird, 2670 (2000 est., 670); Brewer's Blackbird, 2014+ (1350+ est., 664); Boat-tailed Grackle, 2; Brown-headed Cowbird, 107+; Cardinal, 29; Pyrrhuloxia, 40; Cassin's Finch, 43 (3 localities); House Finch, 964+; Pine Siskin, 4; Am. Goldfinch, 12; Lesser Goldfinch, 20; Lawrence's Goldfinch, 351+; Red-Crossbill, 1 (A.J.F.; other birds in area); Green-tailed Towhee, 21; Spotted Towhee, 2; Brown Towhee, 14; Abert's Towhee, 22; Lark Bunting, 252+ Savannah Sparrow, 32; Vesper Sparrow, 46+; Lark Sparrow, 227+; Rufous-winged Sparrow, 11+; Black-throated Sparrow, 82+; Sage Sparrow, 1; Oregon Junco, 36 (Shufeldt's, 20+; remainder Pink-sided); Gray-headed Junco, 1; Chipping Sparrow, 22+; Brewer's Sparrow, 171; White-crowned Sparrow, 1224+ (including 5 *oriantha*); Fox Sparrow, 1; Lincoln's Sparrow, 43+; Song Sparrow, 28. **Total,** 102 species (3 additional subspecies); about 17,207+ individuals. (Also known to be in area: Mallard, Sora, Anna's Hummingbird, Cedar Waxwing, Purple Finch; in early Jan. Brown Thrasher and Grasshopper Sparrow—J. A. Munro, A.R.P.)—Mr. and Mrs. A. H. Anderson, V. Bohrer, M. Cassidy, B. Cole, H. B. Donnan, Mr. and Mrs. W. X. Foerster, Mr. and Mrs. J. Gates, M. Gooder, J. B. Henry, G. P. Legler, Mrs. R. Manzo, Mrs. J. T. Marshall, Jr., L. C. Marvin, M. J. Nichols, I. Peters, A. R. Phillips, V. Ramsdell, R. B. Streets, Mr. and Mrs. R. J. Thornburg, Mrs. S. Very, M. Watrous, C. Wetzel (Bird Club of Tucson Natural History Society, Tucson Audubon Society).

405. Ruby Lake National Wildlife Refuge, Ruby Valley, Nev. (10-mile diameter centering on refuge headquarters on North, West sides; marsh 50%, sage meadow association 50%).—Dec. 30; 8 a.m. to 4 p.m. Snowing; temp. 41°. One observer. Total hours, 7 (3 on foot, 4 by car); total miles, 35 (3 on foot, 32 by car). Whistling Swan, 250; Canada Goose, 75; Mallard, 45; Gadwall, 3; Am. Widgeon, 6; Pintail, 5; Green-winged Teal, 12; Shoveller, 8; Redhead, 35; Ferruginous Hawk, 3; Marsh Hawk, 7; Sage Hen, 23; European Partridge, 8; Am. Coot, 31; Horned Lark, 16; Am. Magpie, 35; Common Raven, 171; Brewer's Blackbird, 10. **Total,** 18 species; 743 individuals.—Baine H. Cater.

406. Spokane, Wash. (15-mile diameter, including city parks and cemeteries, area along Spokane River and Little Spokane River, Spokane valley to 7 miles east of city, south to Moran prairie and Mullan bridge, west to city limit).—Dec. 24; 9 a.m. to 3 p.m. Fog; partly cloudy forenoon; temp. 37° to 42°; wind SW, 6 m.p.h.; batches of snow in sheltered spots. Twenty-four observers in 12 parties. Total party-hours, 72; total party-miles, 199 (26 on foot, 173 by car). Great Blue Heron, 5; Mallard, 689 (600±25, 89); Am. Golden-eye, 68; Hooded Merganser, 2; Sharp-shinned Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 2; California Quail, 135; Ring-necked Pheasant, 89; Am. Coot, 2; Herring Gull, 5; Ring-billed Gull, 16; Burrowing Owl, 1 (G.M.); Belted Kingfisher, 1; Red-shafted Flicker, 43; Hairy Woodpecker, 5; Downy Woodpecker, 3; Am. Magpie, 28; Am. Crow, 1; Clark's Nutcracker, 9; Black-capped Chickadee, 81; Mountain Chickadee, 49; Red-breasted Nuthatch, 26; Pygmy Nuthatch, 167; Brown Creeper, 2; Am. Dipper, 1; Am. Robin, 24; Varied Thrush, 6; Townsend's Solitaire, 11; Golden-crowned Kinglet, 52; Bohemian Waxwing, 233; Gray Shrike, 4; House Sparrow, 163; Evening Grosbeak, 33; Purple Finch, 1; Pine Siskin, 51; Red Crossbill, 22; Oregon Junco, 542 (500±25, 42); Song Sparrow, 29. **Total,** 39 species; about 2604 individuals.—Wm. B. Wright (Pres. Spokane Bird Club, compiler), Alma Walker, Marie Coyne, Mrs. A. H. Hobbs, Mrs. A. I. Buchecker, Anne Merager, Mr. and Mrs. Chas. Tietgen, Mr. and Mrs. Geo. Morrow, Cora Roberts, Earl Pettibone, H. T. Thompson, Mr. and Mrs. M. C. Haggin, Mr. and Mrs. Steve Stanley, Mrs. Archie Clough, Theo. Turner, Mattie Burke, Belle Bothwell, Jim Action, Paul Dix, Mrs. Chas. Power.

407. Eugene, Oreg. (7½-mile radius including the Eugene and Fern Ridge Reservoir areas, same as previous counts; pasture 20%, orchards and fields 20%, city 10%, evergreen forest 15%,

mixed woods 15%, river border 5%, mud flat 10%, open lake 5%).—Dec. 31; 8 a.m. to 5 p.m. Cloudy; temp 40° to 48°; wind SW to NW, 3-12 m.p.h.; .025 in. rainfall, ground wet. Twenty-six observers in 13 parties. Total party-hours, 81 (57 on foot, 24 by car); total party-miles, 137 (43 on foot, 94 by car). Pied-billed Grebe, 1; Great Blue Heron, 42; Canada Goose, 1730; Mallard, 152; Am. Widgeon, 54; Pintail, 115; Green-winged Teal, 30; Wood Duck, 27; Canvas-back, 1; Lesser Scaup, 236; unidentified ducks, 2200; Ruddy Duck, 2; Am. Merganser, 12; Sharp-shinned Hawk, 9; Cooper's Hawk, 1; Red-tailed Hawk, 7; Bald Eagle, 2; Marsh Hawk, 3; Sparrow Hawk, 22; Ruffed Grouse, 1; Bob-white, 24; Ring-necked Pheasant, 52; Am. Coot, 6; Killdeer, 597; Wilson's Snipe, 23; Red-backed Sandpiper, 675; Western Gull, 1; California Gull, 4; Ring-billed Gull, 60; Bonaparte's Gull, 3; Mourning Dove, 44; Barn Owl, 2; Horned Owl, 2; Short-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1 (yellow shafts closely noted but nuchal and malar markings not seen; may be a hybird—A.R.W.); Red-shafted Flicker, 124; Acorn Woodpecker, 31; Lewis's Woodpecker, 1; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 3; Downy Woodpecker, 2; Steller's Jay, 29; Scrub Jay, 25; Common Raven, 3; Am. Crow, 121; Black-capped Chickadee, 127; Chestnut-backed Chickadee, 44; Common Bushtit, 2; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 3; Brown Creeper, 6; Winter Wren, 16; Bewick's Wren, 4; Am. Robin, 138; Varied Thrush, 22; Hermit Thrush, 1; Western Bluebird, 9; Mountain Bluebird, 3 (very pale, blue-green color in comparison with Western Bluebird—F. Travis); Golden-crowned Kinglet, 187; Ruby-crowned Kinglet, 26; Cedar Waxwing, 2; Hutton's Vireo, 1; Audubon's Warbler, 7; Townsend's Warbler, 1; House Sparrow, 191; Western Meadowlark, 174; Red-winged Blackbird, 422; Brewer's Blackbird, 1713; Evening Grosbeak, 47; Purple Finch, 11; House Finch, 26; Pine Siskin, 30; Am. Goldfinch, 7; Spotted Towhee, 56; Oregon Junco, 1518; White-crowned Sparrow, 81; Golden-crowned Sparrow, 51; Fox Sparrow, 6; Song Sparrow, 72. **Total,** 79 species; about 11,506 individuals. (Seen in area Dec. 24: Ring-necked Duck, 6; Water Pipit, about 300.)—Rhoda Banks, Bob Bayly, David Brown, Mrs. L. Burgh, Mrs. C. E. Croson, Rose Crutchley, Catherine Dunlop, Richard Flynn, Marian Fulkerson, Jack Furrer, Richard Goneen, Helen Kilpatrick, Karl Krugur, Violet Meisenholder, Ruth Onthank, Hal Pruitt, Ben H. Pruitt (compiler), Ruth Richardson, George Saunders, Ada Shuey, Don Smith, Dale Todd, Floy Travis, C. Wiedrich, A. Ray Wiseman, Mrs. R. Yockey (Natural History Society of Eugene).

408. Klamath Falls, Oreg. (15-mile diameter centering on Link River bridge, north to Geary ranch, east to Poe Valley, west to Keno, south to L. Klamath refuge; open field 11%, marsh 15%, pine woods 11%, juniper-bordered farmland 33%, lake and river 26%, residential 4%).—Dec. 31; 9 a.m. to 3 p.m. Sun and clouds; temp. 28° to 33°; wind W-NW, 5-19 m.p.h.; 0-1-in. light snow, all water open except shallow ponds in marshes. Eight observers in 4 parties. Total party-hours, 18 (7 on foot, 11 by car); total party-miles, 99 (7 on foot, 92 by car). Eared Grebe, 23; Pied-billed Grebe, 40; Great Blue Heron, 7; Whistling Swan, 274; Canada Goose, 203 (Cackling, 21); White-fronted Goose, 320; Mallard, 34; Pintail, 1; Green-winged Teal, 7; Redhead, 19; Canvas-back, 13; Lesser Scaup, 70; Am. Golden-eye, 150; Buffle-head, 53; Ruddy Duck, 474; Am. Merganser, 6; unidentified ducks, 2233+; Goshawk, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 32; unidentified hawks (buteo), 19; Bald Eagle, 1; Marsh Hawk, 28; Prairie Falcon, 1; Pigeon Hawk, 1; Sparrow, Hawk, 6; California Quail, 140; Ring-necked Pheasant, 72; Am. Coot, 819; Wilson's Snipe, 2; California Gull, 1; Ring-billed Gull, 19; unidentified gulls, 23; Mourning Dove, 1; Horned Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 5; Red-shafted Flicker, 9; Hairy Woodpecker, 1; Downy Woodpecker, 1; Horned Lark, 175; Steller's Jay, 12; Scrub Jay, 4; Am. Magpie, 51; Piñon Jay, 17; Mountain Chickadee, 82; Plain Titmouse, 2; Common Bushtit, 25; Pygmy Nuthatch, 30; Long-billed Marsh Wren, 4; Am. Robin, 221; Townsend's Solitaire, 33; Golden-crowned Kinglet, 25; Cedar Waxwing, 24; House Sparrow, 616; Western Meadowlark, 38; Yellow-headed Blackbird, 165; Red-winged Blackbird, 78; Brewer's Blackbird, 377; Evening Grosbeak, 14; Purple Finch, 15; House Finch, 3; Pine Siskin, 44; Lesser Goldfinch, 15; Spotted Towhee, 2; Slate-colored Junco, 2; Oregon Junco, 616; Fox Sparrow, 9; Song Sparrow, 12. **Total,** 68 species (1 additional subspecies); 7825 individuals. (Picked up 1 crippled White Pelican not included in list.)—Lawrence A. French, Naomi R. French, James L. O'Donahue, Earl Redmond, Corrine Redmond, Myrtle Harris, William Harris, Kenneth McLeod, Jr.

409. Portland, Oreg. (15-mile diameter circle, centered downtown, same as 1938 and subsequent counts; brushy lowlands 12%, lakes and rivers 14%, woodlands 27%, farmlands 14%, residential areas 33%).—Dec. 31. Clear; temp. 45° to 60°; wind variable, 0-5 m.p.h. Sixty-nine observers in 16 parties. Total party-hours, 121 (94 on foot, 27 by car); total party-miles, 296 (105 on foot, 191 by car). Common Loon, 1 (Millette); Arctic Loon, 3 (Layman); Red-throated Loon, 2 (J. W. C. Williams); Western Grebe, 1; Pied-billed Grebe, 2; Double-crested Cormorant, 32; Great Blue Heron, 19; Green Heron, 3; Black-crowned Night Heron, 1; Canada Goose, 47; Mallard, 1714; Gadwall, 39; European Widgeon, 2; Am. Widgeon, 3789; Pintail, 427; Green-winged Teal, 346; Shoveller, 16; Ring-necked Duck, 16; Lesser Scaup, 18; Am. Golden-eye, 1; Buffle-head, 34; Ruddy Duck, 18; Hooded Merganser, 3; Am. Merganser, 40; ducks (species undetermined), 331; Sharp-shinned Hawk, 7; Cooper's Hawk, 2; Red-tailed Hawk,

10; Sparrow Hawk, 12; Ruffed Grouse, 2; California Quail, 13; Mountain Quail, 2; Ring-necked Pheasant, 82; Am. Coot, 450; Killdeer, 148; Wilson's Snipe, 45; Western Sandpiper, 75 (Leopold, C. L. Marshall); Glaucous-winged Gull, 617; Herring Gull, 5; California Gull, 172; Ring-billed Gull, 1; Short-billed Gull, 1060; gulls (species undetermined), 3505; Band-tailed Pigeon, 10; Screech Owl, 3; Horned Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 4; Red-shafted Flicker, 159; Pileated Woodpecker, 1; Yellow-bellied Sapsucker (Red-breasted), 1; Hairy Woodpecker, 4; Downy Woodpecker, 49; Steller's Jay, 35; Scrub Jay, 4; Am. Crow, 555; Black-capped Chickadee, 403; Chestnut-backed Chickadee, 90; Common Bushtit, 323; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 11; Brown Creeper, 14; Winter Wren, 30; Bewick's Wren, 34; Long-billed Marsh Wren, 2; Am. Robin, 127 (fewest ever); Varied Thrush, 88; Hermit Thrush, 8; Golden-crowned Kinglet, 296; Ruby-crowned Kinglet, 26; Water Pipit, 200; Cedar Waxwing, 21; Common Starling, 2; Audubon's Warbler, 43; Townsend's Warbler, 1; House Sparrow, 715; Western Meadowlark, 1 (normally about 100); Red-winged Blackbird, 8; Brewer's Blackbird, 984; Evening Grosbeak, 25; Purple Finch, 116; House Finch, 215; Pine Siskin, 729; Am. Goldfinch, 102; Spotted Towhee, 143; Oregon Junco, 1732; White-crowned Sparrow, 14; Golden-crowned Sparrow, 58; Fox Sparrow, 30; Lincoln's Sparrow, 1; Song Sparrow, 832. **Total,** 89 species; about 21,373 individuals.—Brian McNab, Norbert Leupold, Louis Oberson, Stanley Shirk, Mr. and Mrs. C. L. Marshall, Ben Layman, Mr. and Mrs. Herbert Judd, Clyde Leon Keller, Waldo Ek, Barbara Keller, O. E. Wheeler, Mr. and Mrs. Frank Blakeslee, Mr. and Mrs. Frank A. Bartlett, Alva Oakes, Verda Sayler, J. R. Williams, Mrs. Faye Holden, Mrs. Mildred Ford, Duane Bridge, Mr. and Mrs. Leo F. Simon, Ed. Smith, E. A. Kelham, Mr. and Mrs. R. C. Wever, Henry Steinbrugge, Lotus Simon, Norma G. Seaman, Arlie Seaman, Mr. and Mrs. Carroll Higgins, Mr. and Mrs. Donovan Clark, Kenneth Leatherman, Isabel Wildes, Joyce Wildes, Esther Maegly, Mrs. Ormond Rankin, Sybil Browne, Mr. and Mrs. J. W. C. Williams, Mrs. Susie Nicholson, Mrs. A. L. Mills, Mr. and Mrs. Roger Backman, Mrs. Theodore Adams, Mrs. Leon Goldsmith, Nancy Goldsmith, Margaret Goldsmith, Mrs. R. O. Boyd, Mrs. Jessie D. Frantz, Mr. and Mrs. W. H. Crowell, Earl A. Marshall, P. E. Lewis, Thornton T. Munger, Osgood Munger, Duncan Munger, Forrest J. Cobb, Le Forest McCroskey, Mrs. Frank Kerr, Richard Cobb, James Cobb, Robert Millette, Mrs. Althea B. Bailey (Oregon Audubon Society).

410. Big Bear Lake, Calif. (same as previous 9 years; parts of a 15-mile circle centering near Bertha Peak in San Bernardino Mts., about 3 miles NNE of Big Bear Lake P. O., extending to Box H Springs in desert and to bottom of upper Santa Anita Canyon near Seven Oaks; 3500 to 7200 ft. elevation; coniferous forest 37%, mountain lakes 12%, mountain meadow 7%, piñon-juniper association 7½%, sage brush 1½%, creosote bush association 10%, desert willow and cottonwood 7%, alders, oaks, and canyon streams 6%, chaparral 12%).—Dec. 30; 12 md. to 12 md. Clear; no snow on ground; temp. 65° to 15°; wind 5-30 m.p.h.; Bear Lake low, unfrozen; Baldwin and Erwin Lake dry and alkaline; Cedar Lake thinly frozen. Ten observers in 3 parties. Total party-hours, 80 (20 on foot, 60 by car); total party-miles 120 (40 on foot, 80 by car). Great Blue Heron, 9; Am. Widgeon, 12; Shoveler, 24; Goshawk, 1 (J.H.C.); Red-tailed Hawk, 6; Golden Eagle, 6; Bald Eagle, 4; Prairie Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 1; Gambel's Quail, 7; Am. Coot, 8000; Spotted Dove, 1; Horned Owl, 1; Red-shafted Flicker, 21; Acorn Woodpecker, 5; Williamson's Sapsucker, 3; Ladder-backed Woodpecker, 3; White-headed Woodpecker, 1; Steller's Jay, 25; Scrub Jay, 2; Piñon Jay, 100; Clark's Nutcracker, 25; Mountain Chickadee, 318; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 1; Pygmy Nuthatch, 61; Bewick's Wren, 1; Rock Wren, 4; California Thrasher, 1; Am. Robin, 2000; Western Bluebird, 15; Mountain Bluebird, 188; Townsend's Solitaire, 7; Ruby-crowned Kinglet, 11; Cedar Waxwing, 16; Bell's Vireo, 1 (Mrs. C.H.D.) [no further details—Ed.]; Solitary Vireo, 1 (J.H.C., E.H., P.G.); Evening Grosbeak, 11; Cassin's Finch, 36; House Finch, 36; Spotted Towhee, 6; Sage Sparrow, 1; Oregon Junco, 20; White-crowned Sparrow, 250; Golden-crowned Sparrow, 1. **Total,** 46 species; 11,261 individuals. (Observed in area, Dec. 29: Road-runner, 1; Cactus Wren, 3.)—Hugo Christensen, Mrs. J. H. Comby, J. H. Comby (compiler), Mrs. Caroline H. Daugherty, Pat Gould, Bill Hawkins, Louisa Luckan, Mrs. O. M. Stultz, Josephine C. Vaughn, Ann Wissler.

411. Fresno, Calif. (same area as since 1943: area 5 miles in diameter at Lane's Bridge on San Joaquin River, 10 miles north of Fresno in San Joaquin Valley; open plains 20%, river bottom of San Joaquin and thickets along both sides of river, and narrow pond 1 mile long 80%).—Dec. 26; 8:15 a.m. to 5:15 p.m. High fog all day with little wind; temp. 44° to 49°. One observer. Total hours, 9; total miles, 15 (6 on foot, 9 by car). Pied-billed Grebe, 8; Great Blue Heron, 3; Am. Egret, 6; Snowy Egret, 1; Mallard, 5; Wood Duck, 14; Hooded Merganser, 2; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Golden Eagle, 1; Pigeon Hawk, 1; Sparrow Hawk, 6; California Quail, 6; Florida Gallinule, 5; Am. Coot, 46; Killdeer, 10; Wilson's Snipe, 3; Greater Yellow-legs, 2; Mourning Dove, 91; Barn Owl, 1; Horned Owl, 2; Belted Kingfisher, 5; Downy Woodpecker, 2; Nuttall's Woodpecker, 10; Yellow-bellied Sapsucker, 1; Acorn Woodpecker, 10; Red-shafted Flicker, 24; Say's Phoebe, 1; Black Phoebe, 8; Horned Lark, 2; Scrub Jay, 28; Plain Titmouse, 8; Common Bushtit, 85; White-breasted Nuthatch, 1; Brown Creeper, 5; Wren-tit, 2; Rock Wren, 2; Bewick's Wren, 9; House Wren, 7; Mockingbird,

10; California Thrasher, 2; Hermit Thrush, 2; Am. Robin, 2; Western Bluebird, 10; Mountain Bluebird, 2; Ruby-crowned Kinglet, 15; Water Pipit, 24; Cedar Waxwing, 15; Phainopepla, 15; Loggerhead Shrike, 1; Orange-crowned Warbler, 2; Audubon's Warbler, 6; House Sparrow, 6; Western Meadowlark, 45; Brewer's Blackbird, 132; Brown-headed Cowbird, 5; Purple Finch, 3; House Finch, 88; Am. Goldfinch, 624; Lesser Goldfinch, 1; Spotted Towhee, 14; Brown Towhee, 7; Savannah Sparrow, 15; Lark Sparrow, 3; Oregon Junco, 46; White-crowned Sparrow, 400 (est.); Golden-crowned Sparrow, 37; Fox Sparrow, 4; Lincoln's Sparrow, 2; Song Sparrow, 10. **Total,** 71 species; about 1976 individuals.—W. B. Minturn.

412. Los Angeles, Calif. (same area as in previous 13 years; short stretch of ocean beach 7%, salt-water marsh, lagoons, canals, gun-club marsh 13%, open rolling hills 13%, oak, sycamore, and holly-covered canyons 21%, brush-covered foothill slopes 17%, river-bed area 1%, city reservoirs and park lakes 12%, city parks and library grounds 10%, golf courses, cemeteries, campuses 2%, city and suburban streets and yards 4%; all area extremely dry due to 6 years of far below normal rainfall).—Dec. 26; 4:30 a.m. to 5:30 p.m. Early a.m. drizzly-hazy, sunshine following; temp. 51° to 63°; wind nearly 0 in a.m., 8-12 in p.m.; due to nearly all area becoming thickly populated, birds hard to find. Fifty-four observers in 24 parties. Total party-hours, 138 (113 on foot, 25 by car); total party-miles, 270 (88 on foot, 182 by car). Arctic Loon, 3; Red-throated Loon, 3; Red-necked Grebe, 1; Horned Grebe, 3; Eared Grebe, 10; Western Grebe, 157; Pied-billed Grebe, 20; Brown Pelican, 133; Double-crested Cormorant, 54; Pelagic Coromorant, 1; Great Blue Heron, 7; Am. Egret, 59; Snowy Egret, 32; Black-crowned Night Heron, 16; Brant, 1; geese (unidentified), 25; Am. Widgeon, 97; Pintail, 72; Green-winged Teal, 5; Shoveller, 7; Ring-necked Duck, 16; Lesser Scaup, 339; Am. Golden-eye, 2 (Kents); White-winged Scoter, 3; Surf Scoter, 331; Ruddy Duck, 24; Am. Merganser, 2; Red-breasted Merganser, 55; Turkey Vulture, 2; Sharp-shinned Hawk, 9; Cooper's Hawk, 3; Red-tailed Hawk, 15; Red-shouldered Hawk, 1; Ferruginous Hawk, 2; Marsh Hawk, 7; Osprey, 1 (D.B.); Prairie Falcon, 1; Peregrine Falcon, 1; Sparrow Hawk, 76; California Quail, 263; Ring-necked Pheasant, 1; Am. Coot, 411; Snowy Plover, 17; Ringed Plover, 1; Killdeer, 57; Black-bellied Plover, 128; Surf-bird, 41; Ruddy Turnstone, 4; Black Turnstone, 1; Long-billed Curlew, 6; Hudsonian Curlew, 24; Spotted Sandpiper, 6; Willet, 784; Greater Yellowlegs, 44; Least Sandpiper, 150; Red-backed Sandpiper, 128; Dowitcher, 80; Western Sandpiper, 250; Marbled Godwit, 298; Sanderling, 407; Am. Avocet, 77; Glaucous-winged Gull, 47; Western Gull, 854; Herring Gull, 23; California Gull, 1531; Ring-billed Gull, 2710; Short-billed Gull, 43; Bonaparte's Gull, 321; Heermann's Gull, 262; Forster's Tern, 2; Band-tailed Pigeon, 8; Mourning Dove, 320; Spotted Dove, 77; Ringed Turtle Dove, 264; Road-runner, 1; Barn Owl, 1; Horned Owl, 5; Burrowing Owl, 3; Short-eared Owl, 1; Black-chinned Hummingbird, 3 (W.R.L., Maule); Anna's Hummingbird, 159; Belted Kingfisher, 9; Red-shafted Flicker, 147; Acorn Woodpecker, 5; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 2; Nuttail's Woodpecker, 14; Black Phoebe, 125; Say's Phoebe, 3; Western Flycatcher, 2 (N.S., E.K., P.C.); Horned Lark, 22; Scrub Jay, 157; Am. Crow, 3; Plain Titmouse, 101; Common Bushtit, 633; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Wren-tit, 205; House Wren, 7; Bewick's Wren, 23; Long-billed Marsh Wren, 1; Canyon Wren, 5; Rock Wren, 1; Mockingbird, 274; California Thrasher, 98; Am. Robin, 130; Hermit Thrush, 35; Western Bluebird, 13; Mountain Bluebird, 1; Blue-gray Gnatcatcher, 17; Golden-crowned Kinglet, 8 (carefully observed—8 x 30 Bausch-Lomb, 15 min.—C.H.D., M.W., O.W.); Ruby-crowned Kinglet, 16; Water Pipit, 25; Cedar Waxwing, 124; Loggerhead Shrike, 53; Hutton's Vireo, 7; Orange-crowned Warbler, 4; Audubon's Warbler, 1533; Townsend's Warbler, 1; Common Yellowthroat, 5; Black-capped Warbler, 7; House Sparrow, 526; Western Meadowlark, 406; Red-winged Blackbird, 66; Brewer's Blackbird, 1259; Purple Finch, 48; Cassin's Finch, 6; House Finch, 1705; Pine Siskin, 5; Am. Goldfinch, 38; Lesser Goldfinch, 343; Lawrence's Goldfinch, 13; Spotted Towhee, 98; Brown Towhee, 574; Savannah Sparrow, 89; Grasshopper Sparrow, 4; Vesper Sparrow, 35 (long observation; white outer tail feathers noted—B.H.); Lark Sparrow, 35; Rufous-crowned Sparrow, 16; Oregon Junco, 382; Gray-headed Junco, 2 (studied through 7 x 50 binoculars at 50 ft.—P.C.); Chipping Sparrow, 42; White-crowned Sparrow, 501; Golden-crowned Sparrow, 107; Fox Sparrow, 23; Lincoln's Sparrow, 2; Song Sparrow, 139. **Total,** 147 species (2 additional subspecies); 21,698 individuals.—Leta E. Adams. Kenneth Burden, Clarence Beasley, Stanley Brode, Eva Brothers, Elvirita and Don Bleitz, Sarah Barnes, Paul Colburn, John Cunningham, Joyce Coil, Edith B. Craig, Merritt S. Dunlap, Maybelle DeMay, Caroline H. Daugherty, Mr. and Mrs. Edw. L. Dunn, Harriet C. Damert, John V. Frederick, Wallie Green, Pat Gould, Red C. and Bob Gee, Mr. and Mrs. George T. Hastings, Bess Hoffman, Bill Hawkins, Leona Hoogenboom, Elsie Kennedy, Henry Isham, Curtiss Johnson, Wyatt and Christine Kent, Wm. R. Lasky, Alice Lewis, Noel McFarland, Ethelbert Maule, Enid Michael, Marie O'Hara, W. Dan Quattlebaum, Nellie Spenser, Lee Smith, Clara Splitter, Alma Stultz, Mr. and Mrs. Paul Sullivan, Josephine Swift, Mary Salmon, George Treichel, E. P. Terry, May Warrick, May and Owen Wait, Clara S. Weedmark (Southwest Bird Study Club, Santa Monica Nature Club, Passadena Audubon Society, Los Angeles Audubon Society).

413. Marysville, Calif. (7½-mile radius centering on 4th and E Sts., and including Kimball

Lane area, Hammonton Road to Camp Beale, and Highway 20 to Loma Rica; pasture 25%, plowed land 25%, town suburbs 5%, deciduous farm woodlots 15%, foothill area 30%).—Dec. 31; 7 a.m. to 4:30 p.m. Clear; temp. 32° to 38°; wind WNW, 20 m.p.h. Five observers in 3 parties. Total party-hours, 27 (4 on foot, 23 by car); total party-miles, 75 (15 on foot, 60 by car). Pied-billed Grebe, 3; Great Blue Heron, 1; Am. Egret, 18; Black-crowned Night Heron, 70; Canada Goose, 96; Snow Goose, 1; Ross's Goose, 26; Mallard, 12; Pintail, 4; Turkey Vulture, 3; Red-tailed Hawk, 4; Harris's Hawk, 1; Golden Eagle, 1; Marsh Hawk, 4; Osprey, 1; Sparrow Hawk, 19; California Quail, 2; Ring-necked Pheasant, 12; Am. Coot, 367; Killdeer, 88; Greater Yellow-legs, 1; Band-tailed Pigeon, 6; Mourning Dove, 72; Barn Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 14; Acorn Woodpecker, 1; Lewis's Woodpecker, 5; Black Phoebe, 4; Say's Phoebe, 1; Horned Lark, 2; Blue Jay, 2; Yellow-billed Magpie, 99; Am. Crow, 2; Mountain Chickadee, 1; Tufted Titmouse, 3; White-breasted Nuthatch, 1; Am. Robin, 13; Western Bluebird, 2; Mountain Bluebird, 1; Water Pipit, 447; Loggerhead Shrike, 3; Hutton's Vireo, 2; Audubon's Warbler, 58; House Sparrow, 90; Western Meadowlark, 451; Red-winged Blackbird, 19; Brewer's Blackbird, 2674; Purple Finch, 150; House Finch, 55; Am. Goldfinch, 5; Brown Towhee, 1; Savannah Sparrow, 1; Lark Sparrow, 12; Slate-colored Junco, 13; Oregon Junco, 54; White-crowned Sparrow, 477; Golden-crowned Sparrow, 101; Song Sparrow, 11. **Total,** 59 species; 5589 individuals.—J. R. Beeson, Tunia Vandenbout, Mr. and Mrs. Jack Dunning, Gertrude Cable (compiler).

414. Monterey Peninsula, Calif. (6-mile radius centering on Devils Hill, including same areas as on 1949 count; ocean and exposed bays 17%, beaches 3%, river-mouth lagoon 5%, ponds and tule swamps 10%, rocky shore 12%, open fields 7%, brushland 7%, Monterey pine woodland 13%, live oak woodland 5%, golf courses 5%, gardens, village streets, etc., 9%, redwoods 3%, deciduous woodland 4%).—Dec. 28; 7 a.m. to 7 p.m. Clear; temp. 51° to 55°; wind northerly, 5-10 m.p.h.; ground bare. Five observers in 3 parties. Total party-hours, 19¼ (13¾ on foot, 5½ by car); total party-miles, 20 (14 on foot, 6 by car), Common Loon, 3; Arctic Loon, 31; Red-throated Loon, 4; Red-necked Grebe, 2; Horned Grebe, 16; Eared Grebe, 91; Western Grebe, 117; Pied-billed Grebe, 4; Brown Pelican, 49; Brandt's Cormorant, 266; Pelagic Cormorant, 128; Green Heron, 2; Brant, 1; Mallard, 22; Gadwall, 4 (L.W.); Am. Widgeon, 3; Pintail, 16; Shoveller, 18; Canvas-back, 27; Lesser Scaup, 4; Am. Golden-eye, 3; Buffle-head, 5; White-winged Scoter, 24; Surf Scoter, 108; Ruddy Duck, 101; Red-breasted Merganser, 41; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Golden Eagle, 1; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 8; California Quail, 251; Virginia Rail, 4; Sora, 3; Am. Coot, 615 (450 est., 165); Black Oyster-catcher, 7; Snowy Plover, 43; Killdeer, 3; Surf-bird, 17; Black Turnstone, 72; Wilson's Snipe, 1; Spotted Sandpiper, 1; **Wandering Tattler,** 1 (L.W.); Least Sandpiper, 68; Sanderling, 303; Red Phalarope, 10; Glaucous-winged Gull, 59; Western Gull, 96; Herring Gull, 15; California Gull, 138; Ring-billed Gull, 3; Short-billed Gull, 238; Bonaparte's Gull, 1; Heermann's Gull, 30; Common Murre, 19; Ancient Murrelet, 35; Cassin's Auklet, 1; Band-tailed Pigeon, 24; Barn Owl, 2; Screech Owl, 2; Horned Owl, 4; Burrowing Owl, 1; Anna's Hummingbird, 8; Belted Kingfisher, 4; Red-shafted Flicker, 27; Acorn Woodpecker, 38; Hairy Woodpecker, 8; Downy Woodpecker, 4; Black Phoebe, 7; Say's Phoebe, 4; Scrub Jay, 46; Am. Crow, 10; Chestnut-backed Chickadee, 41; Plain Titmouse, 2; Common Bushtit, 178; Pygmy Nuthatch, 73; Brown Creeper, 3; Wren-tit, 15; House Wren, 4; Winter Wren, 1; Bewick's Wren, 6; Long-billed Marsh Wren, 5; Am. Robin, 17; Varied Thrush, 3; Hermit Thrush, 6; Western Bluebird, 5; Blue-gray Gnatcatcher, 4; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 20; Water Pipit, 51; Cedar Waxwing, 21; Hutton's Vireo, 14; Orange-crowned Warbler, 1; Audubon's Warbler, 89; Townsend's Warbler, 13; Common Yellowthroat, 2; House Sparrow, 10; Western Meadowlark, 77; Red-winged Blackbird, 160; Tricolored Blackbird, 50; Brewer's Blackbird, 104; Purple Finch, 4; House Finch, 37; Pine Siskin, 5; Spotted Towhee, 8; Brown Towhee, 2; Savannah Sparrow, 23; Oregon Junco, 200; White-crowned Sparrow, 158; Golden-crowned Sparrow, 133; Fox Sparrow, 3; Lincoln's Sparrow, 2; Song Sparrow, 18. **Total,** 115 species; about 4899 individuals. (Seen in count area Dec. 20: Yellow-bellied Sapsucker, 1.)—Dr. and Mrs. W. A. Angwin, R. P. Parsons, Florence Morrow, Laidlaw Williams.

415. Morro Bay, Calif. (nearly same areas as covered last year; Salicornia marsh 20½%, bay 12%, open ocean 2%, rocky beach 6½%, sandy beach 4%, dune scrubland 3%, open fields 15½%, live oak woodland 12%, deciduous oak-digger pine woodland 6%, live oak-laurel woodland 2½%, dry chaparral 6½%, riparian growth 3%, lake 6½%).—Dec. 23; 5:15 a.m. to 5:30 p.m. Clear; temp. 49° to 80°; wind E to W, 15-40 m.p.h.; ground everywhere damp from recent rains. One observer. Total hours, 10¼ (6 on foot, 4¼ by car); total miles, 112 (4 on foot, 108 by car). Common Loon, 4; Arctic Loon, 5; loon (sp.), 4; Horned Grebe, 5; Eared Grebe, 24; Western Grebe, 117; Pied-billed Grebe, 8; White Pelican, 85; Brown Pelican, 12; Double-crested Cormorant, 2; Brandt's Cormorant, 150 (±10); Pelagic Cormorant, 4; Great Blue Heron, 72; Am. Egret, 25; Snowy Egret, 4; Green Heron, 1; Brant, 1000+ (part of flock hidden); Mallard, 3; Am. Widgeon, 500 (±50); Pintail, 1100 (±100); Green-winged Teal, 850 (±100); Shoveller, 4; Ring-necked Duck, 3; Canvas-back, 5; Lesser Scaup, 7; Am. Golden-eye, 4; Buffle-head, 8;

White-winged Scoter, 34; Surf Scoter, 73 (±5); scoter (sp.), 45; Ruddy Duck, 362 (±50); Red-breasted Merganser, 36; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 12; California Quail, 7; Am. Coot, 3000 (±300); Snowy Plover, 24; Killdeer, 85 (±10); Black-bellied Plover, 21+; Long-billed Curlew, 6; Willet, 2500 (±200); Greater Yellow-legs, 1; Least Sandpiper, 3000 (±500); Red-backed Sandpiper, 300 (±50); Dowitcher, 85 (±15); Western Sandpiper, 1000 (±250); Marbled Godwit, 2800 (±200); Sanderling, 7; Am. Avocet, 48; Glaucous-winged Gull, 16; Western Gull, 40 (±5); California Gull, 130 (±10); Ring-billed Gull, 180 (±20); Bonaparte's Gull, 18; Heermann's Gull, 2; Forster's Tern, 6; Royal Tern, 1; Band-tailed Pigeon, 45 (±5); Mourning Dove, 8; Horned Owl, 1; Burrowing Owl, 1; Belted Kingfisher, 4; Red-shafted Flicker, 6; Acorn Woodpecker, 20; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 1; Black Phoebe, 2; Say's Phoebe, 13; Horned Lark, 28; Scrub Jay, 8; Yellow-billed Magpie, 1; Am. Crow, 79; Plain Titmouse, 6; Common Bushtit, 7; Wren-tit, 4; Bewick's Wren, 1; Canyon Wren, 1; California Thrasher, 1; Am. Robin, 8; Western Bluebird, 29; Mountain Bluebird, 1; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 4; Water Pipit, 35 (±3); Loggerhead Shrike, 9; Audubon's Warbler, 8; House Sparrow, 38; Western Meadowlark, 18; Red-winged Blackbird, 61 (±10); Brewer's Blackbird, 110 (±10); House Finch, 18; Am. Goldfinch, 6; Spotted Towhee, 3; Brown Towhee, 5; Savannah Sparrow, 54 (±5); Oregon Junco, 36; White-crowned Sparrow, 42; Golden-crowned Sparrow, 6; Fox Sparrow, 2; Song Sparrow, 1. **Total,** 102 species; 18,579 individuals. (Seen in area Dec. 22: Golden Eagle, 3; Barn Owl, 1.)—R. F. Johnston.

416. Oakland, Calif. (Bay Farm Island, San Leandro Bay, Lake Temescal, Orinda Lake, San Pablo Reservoir, Redwood Canyon, Mountain View Cemetery, Tilden Regional Park, Sequoia Park, Mills College Campus, Leona Heights, vicinity of St. Mary's College, east bay shore from Point Isabelle to San Francisco Bay Bridge, Berkeley Aquatic Park, San Francisco Bay from Point Isabelle to San Francisco Bay Bridge; small oak, and chaparral bordered lakes 17%, chaparral hillside 20%, canyon [Redwood and Madrone] 10%, canyon [Oak and Bay] 11%, park and campus 9%, cultivated fields 2%, pine forest 6%, bay shore [salt marsh and mud flats and brackish lakes] 25%).—Dec. 30; 4:50 a.m. to 9:25 p.m. Low cloudiness in morning with rain, clearing at 10:30 a.m. with clear skies at 12; temp. 41° to 58°; wind W to NW, less 5 m.p.h. in morning, increasing about 10 a.m. to 20 to 35 m.p.h. Thirty-three observers in 8 parties. Total party-hours, 75¼ (55½ on foot, 17¾ by car, 2 by boat); total party-miles, 287 (53 on foot, 226 by car, 8 by boat). Arctic Loon, 1; Horned Grebe, 2; Eared Grebe, 90 (est.); Western Grebe, 3; Pied-billed Grebe, 105 (est.); Brown Pelican, 4; Double-crested Cormorant, 1797 (est.); Great Blue Heron, 12; Am. Egret, 22; Black-crowned Night Heron, 6; Canada Goose, 57; Mallard, 810; Am. Widgeon, 1455 (est.); Pintail, 3716 (est.); Green-winged Teal, 22; Shoveller, 36; Wood Duck, 2; Ring-necked Duck, 22; Canvas-back, 866 (est.); Greater Scaup, 150; Lesser Scaup, 296 (est.); scaup (sp.), 2200 (est.); Am. Golden-eye, 215 (est.); Buffle-head, 98 (est.); White-winged Scoter, 3; Surf Scoter, 220 (est.); scoter (sp.) 240 (est.); Ruddy Duck, 3238 (est.); Hooded Merganser, 14; Am. Merganser, 2; Red-breasted Merganser, 15; Sharp-shinned Hawk, 7; Cooper's Hawk, 4, Red-tailed Hawk, 47; Marsh Hawk, 1; Sparrow Hawk, 36; California Quail, 326; Am. Coot, 1579 (est.); Ringed Plover, 51; Killdeer, 303; Black-bellied Plover, 308; Black Turnstone, 9; Wilson's Snipe, 1; Long-billed Curlew, 8; Spotted Sandpiper, 2; Willet, 665 (est.); Greater Yellow-legs, 1; sandpiper (sp.), 800 (est.); Least Sandpiper, 206 (est.); Red-backed Sandpiper, 801 (est.); Dowitcher, 8130 (est.); Western Sandpiper, 100; Marbled Godwit, 528; Sanderling, 1141 (est.); Am. Avocet, 2002 (est.); Glaucous-winged Gull, 2874 (est.); Western Gull, 836 (est.); Herring Gull, 95 (est.); California Gull, 470 (est.); Ring-billed Gull, 244 (est.); Short-billed Gull, 312 (est.); Bonaparte's Gull, 820 (est.); gull (sp.), 1000 (est.); Forster's Tern, 18 (est.); Band-tailed Pigeon, 25; Mourning Dove, 95; Road-runner, 1; Barn Owl, 2; Screech Owl, 2; Horned Owl, 6; Burrowing Owl, 5; Short-eared Owl, 5; Anna's Hummingbird, 41; Belted Kingfisher, 1; Red-shafted Flicker, 95; Acorn Woodpecker, 4; Lewis's Woodpecker, 1 (A.L.C.); Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 6; Nuttall's Woodpecker, 3; Black Phoebe, 18; Say's Phoebe, 2; Horned Lark, 2; Steller's Jay, 83; Scrub Jay, 105; Am. Crow, 50; Chestnut-backed Chickadee, 34; Plain Titmouse, 80; Common Bushtit, 277; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 15; Brown Creeper, 3; Wren-tit, 40; Winter Wren, 1; Bewick's Wren, 43; Mockingbird, 1; California Thrasher, 6; Am. Robin, 633; Varied Thrush, 90; Hermit Thrush, 21; Western Bluebird, 30; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 34; Water Pipit, 46; Cedar Waxwing, 24; Loggerhead Shrike, 1; Hutton's Vireo, 8; Audubon's Warbler, 94; Townsend's Warbler, 3; House Sparrow, 455; Western Meadowlark, 115; Red-winged Blackbird, 404; Brewer's Blackbird, 336; Purple Finch, 33; House Finch, 507; Pine Siskin, 119; Am. Goldfinch, 15; Lesser Goldfinch, 78; Spotted Towhee, 64; Brown Towhee, 256; Savannah Sparrow, 1; Rufous-crowned Sparrow, 3; Oregon Jungo, 687; White-crowned Sparrow, 424; Golden-crowned Sparrow, 51; Fox Sparrow, 22; Song Sparrow, 129. **Total,** 124 species; 40,960 individuals. (An Old-squaw was seen in the area on Dec. 23 by H.L.C.)—Betty L. Adamson, Harry C. Adamson, Warren Armstrong, Enid K. Austin, Myra Browne, Robt. Carlson, Henry Childs, Howard L. Cogswell, Paul

Covel, Marion Covel, Alfred Covel, A. Laurence Curl, Hallie Curl, Ronald Goodwin, Mrs. H. P. Henningsen, Leroy L. Jensen, David Johnston, Mrs. David Johnston, Junea W. Kelly, Bill LaVallee, Jack LaVallee, James Linford, Mrs. James Linford, Bob Linford, Jack Moser, David G. Nichols, Bob Norris, Mrs. Bob Norris, Bob Pope, Kenneth Schulz, Leland Stallcup, Jean Stallcup, Robt. Will.

417. Oceanside-Carlsbad, Calif. (Lt. Maxton Brown Bird Refuge and vicinity, within 15-mile diameter; open fields 35%, brackish marsh 48%, seashore 17%).—Dec. 30; 7:25 a.m. to 3:30 p.m. Clear; temp. 40° to 60°; wind WSW, 1-7 m.p.h. Twelve observers in 2 parties. Total party-hours, 15½ (13 on foot, 2½ by car); Total party-miles, 61 (11 on foot, 50 by car). Common Loon, 2; Red-throated Loon, 1; Horned Grebe, 2; Eared Grebe, 17; Western Grebe, 22; Pied-billed Grebe, 10; Brown Pelican, 5; Double-crested Cormorant, 3; Great Blue Heron, 2; Am. Egret, 9; Snowy Egret, 24; Black-crowned Night Heron, 8; Am. Widgeon, 3; Pintail, 446; Green-winged Teal, 21; Cinnamon Teal, 3; Shoveller, 1111; Canvas-back, 3; Lesser Scaup, 142; Surf Scoter, 3; Ruddy Duck, 20; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 10; Sora, 18; Am. Coot, 1511; Snowy Plover, 16; Killdeer, 86; Black-bellied Plover, 23; Long-billed Curlew, 4; Hudsonian Curlew, 4; Willet, 223; Greater Yellow-legs, 9; Lesser Yellow-legs, 4; Solitary Sandpiper, 1; Least Sandpiper, 265; Red-backed Sandpiper, 50; Dowitcher, 23; Western Sandpiper, 263; Marbled Godwit, 27; Sanderling, 123; Am. Avocet, 56; Glaucous-winged Gull, 1; Western Gull, 40; Herring Gull, 18; California Gull, 25; Ring-billed Gull, 92; Bonaparte's Gull, 1; Heermann's Gull, 36; Forster's Tern, 9; Royal Tern, 7; Mourning Dove, 7; Spotted Dove, 4; Anna's Hummingbird, 10; Belted Kingfisher, 2; Red-shafted Flicker, 6; Cassin's Kingbird, 11; Black Phoebe, 8; Say's Phoebe, 4; Horned Lark, 36; Scrub Jay, 1; Common Bushtit, 100; Wren-tit, 1; House Wren, 1; Bewick's Wren, 5; Long-billed Marsh Wren, 8; Mockingbird, 14; Western Bluebird, 15; Mountain Bluebird, 101; Ruby-crowned Kinglet, 26; Water Pipit, 4; Loggerhead Shrike, 9; Orange-crowned Warbler, 2; Audubon's Warbler, 122; Common Yellowthroat, 12; House Sparrow, 16; Western Meadowlark, 25; Red-winged Blackbird, 144; Brewer's Blackbird, 118; Purple Finch, 3; House Finch, 419; Am. Goldfinch, 26; Lesser Goldfinch, 89; Brown Towhee, 23; Savannah Sparrow, 19; White-crowned Sparrow, 265; Golden-crowned Sparrow, 4; Song Sparrow, 37. **Total,** 89 species; about 6507 individuals.—Mr. and Mrs. Charles H. Berry, Arnold Lane, Marjorie Moody (compiler), Harry A. Musser, Vanche Plumb, Edith Thatcher, Everett Thatcher, Herbert A. Thomas, Mabel G. Whiting, Alice Zimmerman, Fern Zimmerman (Orange County Bird Club).

418. Orange County (central and coastal), Calif. (Seal Beach, to Corona Del Mar and Back Bay area inland 7 miles all within 7½-mile radius; urban 5%, open beach 20%, salt marsh 60%, cultivation 15%).—Dec. 27; 7:30 a.m. to 5 p.m. Overcast—clear; temp, 42° to 69°; wind SW, 0-7 m.p.h.; ground dry. Seven observers in 2 parties. Total party-hours, 18 (14 on foot, 4 by car); total party-miles, 85 (9 on foot, 76 by car). Common Loon, 5; Red-throated Loon, 2; Horned Grebe, 10; Eared Grebe, 28; Western Grebe, 64; Pied-billed Grebe, 20; White Pelican, 1; Brown Pelican, 71; Double-crested Cormorant, 80; Great Blue Heron, 12; Am. Egret, 67; Snowy Egret, 62; Am. Widgeon, 15; Pintail, 61; Lesser Scaup, 66; Buffle-head, 3; Surf Scoter, 784; Ruddy Duck, 72; Red-breasted Merganser, 34; White-tailed Kite, 2; Red-tailed Hawk, 1; Marsh Hawk, 8; Sparrow Hawk, 11; Am. Coot, 230; Snowy Plover, 35; Killdeer, 18; Black-bellied Plover, 27; Black Turnstone, 2; Long-billed Curlew, 9; Hudsonian Curlew, 9; Spotted Sandpiper, 1; Willet, 502; Greater Yellow-legs, 6; Lesser Yellow-legs, 1; Wandering Tattler, 3 (identified at close range by gray unmarked flight pattern, voice, white line over eye and rocky habitat); Least Sandpiper, 1359; Red-backed Sandpiper, 30; Dowitcher, 126; Western Sandpiper, 1535; Marbled Godwit, 838; Sanderling, 915; Am. Avocet, 7; Glaucous Gull, 3 (seen close, in good light; large size and silvery wing-tips noted by both parties); Glaucous-winged Gull, 10; Western Gull, 406; Herring Gull, 176; California Gull, 292; Ring-billed Gull, 541; Bonaparte's Gull, 1; Heermann's Gull, 237; Forster's Tern, 107; Common Tern, 5; Mourning Dove, 2; Anna's Hummingbird, 2; Say's Phoebe, 1; Horned Lark, 53; Wren-tit, 1; House Wren, 4; Bewick's Wren, 1; Cactus Wren, 3; Mockingbird, 2; California Thrasher, 2; Water Pipit, 66; Loggerhead Shrike, 8; Audubon's Warbler, 2; Common Yellowthroat, 4; House Sparrow, 184; Western Meadowlark, 107; Red-winged Blackbird, 81; Brewer's Blackbird, 234; Brown-headed Cowbird, 1; Purple Finch, 7; House Finch, 82; Am. Goldfinch, 5; Lesser Goldfinch, 1; Brown Towhee, 4; Savannah Sparrow, 74 (including 5 Belding's); White-crowned Sparrow, 119; Song Sparrow, 20. **Total,** 79 species (1 additional subspecies); 9980 individuals.—Florence Hullsiek, Arnold Lane (compiler), Marjorie Moody, Vanche Plumb, Alice Zimmerman, Fern Zimmerman, Minnie Zimmerman (Orange County Audubon Society).

419. Orange County (northeastern), Calif. (15-mile diameter including Irvine Park, Peters Canyon, Silverado Canyon, Blackstar Canyon, Santiago, Modjeska Canyon and Aliso Canyon; cultivated areas 10%, water courses 5%, foothills 85%).—Dec. 27; 8 a.m. to 4:30 p.m. Clear; temp. 38° to 79°; no wind; ground conditions good. Three observers in 1 party. Total party-hours, 8 (4 on foot, 4 by car); total party-miles, 70 (3 on foot, 67 by car). Pied-billed Grebe, 2; Am. Egret, 3; Black-crowned Night Heron, 2; Lesser Scaup, 1; Ruddy Duck, 10; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Marsh Hawk,

1; Sparrow Hawk, 7; California Quail, 78; Am. Coot, 10; Mourning Dove, 35; Anna's Hummingbird, 2; Belted Kingfisher, 1; Red-shafted Flicker, 5; Acorn Woodpecker, 7; Black Phoebe, 4; Say's Phoebe, 11; Scrub Jay, 6; Common Raven, 6; Am. Crow, 10; Plain Titmouse, 3; Wren-tit, 3; House Wren, 4; Mockingbird, 3; California Thrasher, 3; Am. Robin, 1; Western Bluebird, 4; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 1; Audubon's Warbler, 17; House Sparrow, 1; Western Meadowlark, 5; Red-winged Blackbird, 250; Brewer's Blackbird, 26; House Finch, 8; Lesser Goldfinch, 27; Spotted Towhee, 15; Brown Towhee, 21; Oregon Junco, 21; White-crowned Sparrow, 83; Fox Sparrow, 1; Song Sparrow, 3. **Total,** 44 species; 709 individuals. (Observed on Jan. 8: 6 Lewis's Woodpeckers.)—Eric E. Eastman, Ruth Smith, Margaret R. Harding (compiler).

420. Palm Springs (Riverside Co.), Calif. (in Palm Springs, Palm Canyon, Dripping Spring area, Andrews Canyon, Desert Hot Springs; 7½-mile radius; town 20%, desert 60%, canyons 20%).—Dec. 31; 7 a.m. to 5 p.m. Cloudy with rainfall in a.m. with snowfall on Mt. San Jacinto and other peaks, clear in p.m.; temp. 54° to 60°; wind N to NE, 8-22 m.p.h. Two observers in 1 party. Total party-hours, 20 (12 on foot, 8 by car); total party-miles, 134 (14 on foot, 120 by car). Cooper's Hawk, 1; Red-tailed Hawk, 1; Golden Eagle, 1; Prairie Falcon, 1; Sparrow Hawk, 2; Killdeer, 23; Mourning Dove, 1; Spotted Dove, 1; Anna's Hummingbird, 3; Black Phoebe, 4; Say's Phoebe, 2; Common Bushtit, 5; Bewick's Wren, 2; Rock Wren, 2; Mockingbird, 6; Am. Robin, 12; Western Bluebird, 39; Blue-gray Gnatcatcher, 8; Ruby-crowned Kinglet, 3; Phainopepla, 7; Loggerhead Shrike, 1; Audubon's Warbler, 3; House Sparrow, 55; House Finch, 28; White-crowned Sparrow, 25. **Total,** 25 species; 236 individuals. (Seen in area Jan. 1: Road-runner, 1; Burrowing Owl, 1 dead.)—Ruth W. Cox, Earle R. Greene.

421. Pasadena, Calif. (15-mile diameter circle centering at San Gabriel Blvd. and Loraine Rd., including Mt. Wilson, San Gabriel Wildlife Sanctuary, and adjacent area; grassy fields 20%, live oak and plane-tree woodland 25%, pine-oak forest 5%, river bottom 10%, chaparral 20%, canyon 5%, ponds 5%, wooded parks 10%).—Dec. 27; 6 a.m. to 4:30 p.m. Clear; temp. 44° to 67°; wind variable, 0-4 m.p.h.; San Gabriel River Wildlife Sanctuary, cool and foggy. Twenty-four observers in 9 parties. Total party-hours, 126 (120 on foot, 6 by car between area); total party-miles, 215 (50 on foot, 165 by car). Eared Grebe, 1; Pied-billed Grebe, 1; Double-crested Cormorant, 1; Great Blue Heron, 1; Am. Egret, 9; Snowy Egret, 10; Green Heron, 2; Black-crowned Night Heron, 1; Mallard, 1; Gadwall, 1; Pintail, 1; Green-winged Teal, 1; Ring-necked Duck, 1; Canvas-back, 1; Ruddy Duck, 1; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Prairie Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 38; California Quail, 93; Ring-necked Pheasant, 3; Virginia Rail, 1; Sora, 1; Florida Gallinule, 1; Am. Coot, 104; Killdeer, 19; Wilson's Snipe, 1; Greater Yellowlegs, 12; Glaucous-winged Gull, 1; California Gull, 42; Ring-billed Gull, 219; Band-tailed Pigeon, 20; Mourning Dove, 267; Spotted Dove, 108; Ringed Turtle Dove, 7; Road-runner, 1; Barn Owl, 1; Screech Owl, 5; Horned Owl, 3; Burrowing Owl, 1; White-throated Swift, 8; Anna's Hummingbird, 49; Belted Kingfisher, 1; Red-shafted Flicker, 85; Acorn Woodpecker, 89; Lewis's Woodpecker, 1; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 13; Nuttall's Woodpecker, 13; Black Phoebe, 78; Say's Phoebe, 7; Steller's Jay, 16; Scrub Jay, 136; Am. Crow, 121; Mountain Chickadee, 17; Plain Titmouse, 35; Common Bushtit, 396; White-breasted Nuthatch, 9; Pygmy Nuthatch, 1; Wren-tit, 83; House Wren, 9; Bewick's Wren, 22; Long-billed Marsh Wren, 1; Canyon Wren, 3; Rock Wren, 1; Mockingbird, 105; California Thrasher, 67; Am. Robin, 163; Hermit Thrush, 25; Western Bluebird, 233; Mountain Bluebird, 33; Blue-gray Gnatcatcher, 33; Ruby-crowned Kinglet, 36; Water Pipit, 205; Cedar Waxwing, 256; Phainopepla, 1; Loggerhead Shrike, 17; Common Starling, 1; Hutton's Vireo, 13; Orange-crowned Warbler, 15; Audubon's Warbler, 477; Common Yellowthroat, 70; Black-capped Warbler, 1; House Sparrow, 303; Western Meadowlark, 297; Red-winged Blackbird, 84; Brewer's Blackbird, 1185; Brown-headed Cowbird, 1; Cardinal, 18; Purple Finch, 46; Cassin's Finch, 17; House Finch, 1018; Pine Siskin, 19; Am. Goldfinch, 77; Lesser Goldfinch, 82; Lawrence's Goldfinch, 2; Spotted Towhee, 126; Brown Towhee, 214; Savannah Sparrow, 97; Lark Sparrow, 2; Rufous-crowned Sparrow, 1; Oregon Junco, 128; Chipping Sparrow, 63; White-crowned Sparrow, 531; Golden-crowned Sparrow, 21; Fox Sparrow, 4; Lincoln's Sparrow, 3; Song Sparrow, 115. **Total,** 111 species; about 8398 individuals.—Arthur and Bessie Barr, Mr. and Mrs. Arthur Berry, Dale Berry, Mr. and Mrs. J. H. Comby, Caroline Daugherty, Willis Evans, Bland Ewing, Margaret Fenniger, Pat Gould, Robert Hays, Bill Hawkins, Betty Hone, Hazel Lewis, Mrs. Enid Michael, Mrs. C. J. Parker, Dan. Quattlebaum, Irma Rodgers, Mrs. O. M. Stultz, John Willis, Jessie Willman, Gertrude Woods.

422. Pauma Valley (northern San Diego Co.), Calif. (scattered areas within 15-mile diameter including young citrus and avocado groves, grassy fields, alfalfa fields, chaparral, Pauma and Nigger Creeks, San Luis Rey River bottom, 2 reservoirs and Lake Wohlford).—Dec. 27; 6:30 a.m. to 5:15 p.m. Clear, after early ground fog; temp. 36° to 65°; wind W, 5 m.p.h.; lake very low, creeks and river dry. Three observers in 2 parties. Total party-hours, 28¼ (24 on foot, 4¼ by car); total party-miles, 50 (20 on foot, 30 by car). Eared Grebe, 2; Pied-billed Grebe, 4; White Pelican, 13; Double-crested Cormorant, 16; Great Blue Heron, 7; Am. Egret, 5; Snowy Egret, 3; Green Heron, 2; Lesser Scaup, 115; Ruddy Duck, 29; Am. Mer-

ganser, 33; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 4; California Quail, 61; Am. Coot, 7; Killdeer, 15; Spotted Sandpiper, 6; Least Sandpiper, 12; Ring-billed Gull, 14; Mourning Dove, 45; Road-runner, 2; Barn Owl, 2; Anna's Hummingbird, 4; Red-shafted Flicker, 24; Acorn Woodpecker, 29; Lewis's Woodpecker, 1; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 3; Black Phoebe, 10; Say's Phoebe, 13; Scrub Jay, 35; Plain Titmouse, 7; Wren-tit, 7; House Wren, 1; Bewick's Wren, 8; Canyon Wren, 2; Rock Wren, 3; Mockingbird, 1; California Thrasher, 9; Am. Robin, 106 (50 est., 56); Hermit Thrush, 2; Western Bluebird, 83; Mountain Bluebird, 2; Black-tailed Gnatcatcher, 2; Water Pipit, 235 (75 est., 160); Loggerhead Shrike, 4; Audubon's Warbler, 145; House Sparrow, 54 (50 est., 4); Western Meadowlark, 24; Brewer's Blackbird, 506; Purple Finch, 2; House Finch, 219; Am. Goldfinch, 3; Lesser Goldfinch, 19; Spotted Towhee, 9; Brown Towhee, 10; Savannah Sparrow, 26; Vesper Sparrow, 11; Lark Sparrow, 12; Rufous-crowned Sparrow, 2; Sage Sparrow, 1; Oregon Junco, 53; Chipping Sparrow, 16; White-crowned Sparrow, 151; Golden-crowned Sparrow, 1; Fox Sparrow, 2; Song Sparrow, 57. **Total,** 70 species; about 2324 individuals. (Seen in area Dec. 26: Pine Siskin, 3; Dec. 31: Western Grebe, 1; Greater Yellow-legs, 2.)—Frederick N. Gallup, W. R. Guyer, Mrs. Millard J. Beemer.

423. Sacramento, Calif. (7½-mile radius centering at confluence of Sacramento and American Rivers; towns and suburbs 30%, riparian woodland 10%, cattail marsh 5%, open water 5%, rice fields 20%, plowed fields and stubble 30%).—Dec. 31; 5:30 a.m. to 5:30 p.m. Clear; temp. 35° to 55°; wind N, 5-15 m.p.h. Twenty-one observers in 4 parties. Total party-hours, 48 (15 on foot, 33 by car); total party-miles, 160 (12 on foot, 148 by car). Pied-billed Grebe, 8; Great Blue Heron, 22; Am. Egret, 236; Green Heron, 1 (observed with 20x glass); Black-crowned Night Heron, 43; Am. Bittern, 5; Whistling Swan, 6; Canada Goose, 500+ (largely Cackling with a few Lessers); White-fronted Goose, 500; Snow Goose, 2500+; Mallard, 1000; Am. Widgeon, 100+; Pintail, 1000+; Shoveller, 4+; Ring-necked Duck, 32; Turkey Vulture, 7; White-tailed Kite, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 15; Marsh Hawk, 18; Pigeon Hawk, 1; Sparrow Hawk, 71; California Quail, 34; Ring-necked Pheasant, 4; Sandhill Crane, 10; Florida Gallinule, 1; Am. Coot, 500+; Mountain Plover, 346; Killdeer, 274; Black-bellied Plover, 5; Greater Yellow-legs, 2; Dowitcher, 24; Western Sandpiper, 2; California Gull, 500+; Mourning Dove, 7; Barn Owl, 1; Horned Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 1; Red-shafted Flicker, 102; Acorn Woodpecker, 50; Lewis's Woodpecker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 2; Nuttall's Woodpecker, 2; Black Phoebe, 10; Say's Phoebe, 1; Horned Lark, 148; Tree Swallow, 6; Scrub Jay, 67; Yellow-billed Magpie, 116; Am. Crow, 51; Mountain Chickadee, 1; Plain Titmouse, 26; Common Bushtit, 20; White-breasted Nuthatch, 12; Brown Creeper, 3; Wren-tit, 2; Bewick's Wren, 5; Mockingbird, 12; Am. Robin, 350; Varied Thrush, 1; Western Bluebird, 12; Ruby-crowned Kinglet, 14; Water Pipit, 300; Cedar Waxwing, 2; Loggerhead Shrike, 11; Hutton's Vireo, 2; Orange-crowned Warbler, 1; Audubon's Warbler, 300; Black-throated Gray Warbler, 2; House Sparrow, 500+; Western Meadowlark, 500+; Red-winged Blackbird, 135; Brewer's Blackbird, 2500; Brown-headed Cowbird, 2; Purple Finch, 11; Cassin's Finch, 1; House Finch, 475; Am. Goldfinch, 212; Lesser Goldfinch, 325; Spotted Towhee, 45; Brown Towhee, 11; Savannah Sparrow, 2; Lark Sparrow, 1; Sage Sparrow, 5; Oregon Junco, 170; White-crowned Sparrow, 339; Golden-crowned Sparrow, 67; Fox Sparrow, 1; Song Sparrow, 14. **Total,** 92 species (2 additional subspecies); 14,746 individuals.—W. K. Kirsher, Mr. and Mrs. A. J. Argante, Genevieve Trousdale, D. B. Swineheart, Mr. and Mrs. K. G. McGilvray, Celeste Johnson, John Forbes, Hubert Jenkins, Dean McBride, Gary McBride, John Winslow, Gene Christian, Mr. and Mrs. John Bamberg, James Wanzer, Mr. and Mrs. H. M. Kimball, Helen Kimball, Mrs. Effie Yeaw.

424. Salinas (Monterey Co.), Calif. (7½-mile radius centering from Cooper's on the Watsonville Highway and including Salinas, Salinas River, Monterey Highway, Reservation Road and Moss Landing; willows 30%, open country 25%, sloughs 35%, ocean beach 5%, town suburb 5%).—Dec. 31; 8:30 a.m. to 4:30 p.m. Clear; temp. 50° to 58°; wind variable, 8-15 m.p.h.; ground damp. Two observers in 1 party. Total party-hours, 14 (10 on foot, 4 by car); total party-miles, 116 (20 on foot, 96 by car). Common Loon, 3; Arctic Loon, 4; Red-throated Loon, 6; Horned Grebe, 2; Eared Grebe, 2; Western Grebe, 444; Pied-billed Grebe, 3; White Pelican, 14; Brown Pelican, 150; Double-crested Cormorant, 10; Brandt's Cormorant, 4; Pelagic Cormorant, 2; Great Blue Heron, 15; Am. Egret, 16; Snowy Egret, 3; Black-crowned Night Heron, 180; Brant, 1; Shoveller, 6; Redhead, 4; Lesser Scaup, 8; White-winged Scoter, 4; Surf Scoter, 50; Ruddy Duck, 16; Red-breasted Merganser, 4; Turkey Vulture, 3; White-tailed Kite, 3; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 4; Golden Eagle, 1; Marsh Hawk, 6; Sparrow Hawk, 48; California Quail, 18; Virginia Rail, 1; Am. Coot, 124; Killdeer, 65; Black-bellied Plover, 274; Long-billed Curlew, 12; Hudsonian Curlew, 2; Willet, 30; Greater Yellow-legs, 3; Least Sandpiper, 206; Red-backed Sandpiper, 20; Dowitcher, 10; Western Sandpiper, 244; Marbled Godwit, 57; Sanderling, 708; Am. Avocet, 60; Glaucous-winged Gull, 4; Western Gull, 15; Herring Gull, 20; California Gull, 15; Ring-billed Gull, 15; Short-billed Gull, 200; Heermann's Gull, 5; Forster's Tern, 2; Mourning Dove, 16; White-throated Swift, 5; Belted Kingfisher, 2; Red-shafted Flicker, 49; Acorn Woodpecker, 60; Hairy

Woodpecker, 1; Downy Woodpecker, 1; Nuttail's Woodpecker, 1; Black Phoebe, 8; Say's Phoebe, 6; Horned Lark, 17; Violet-green Swallow, 2; Scrub Jay, 35; Am. Crow, 88; Chestnut-backed Chickadee, 25; Plain Titmouse, 8; Common Bushtit, 58; Wren-tit, 2; House Wren, 1; Bewick's Wren, 1; Long-billed Marsh Wren, 6; California Thrasher, 3; Hermit Thrush, 3; Western Bluebird, 48; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 7; Water Pipit, 109; Loggerhead Shrike, 25; Orange-crowned Warbler, 8; Myrtle Warbler, 1; Audubon's Warbler, 10; Common Yellowthroat, 2; Black-capped Warbler, 1; House Sparrow, 25; Western Meadowlark, 600; Red-winged Blackbird, 104; Tricolored Blackbird, 8; Brewer's Blackbird, 381; Brown-headed Cowbird, 4; Purple Finch, 2; House Finch, 563; Am. Goldfinch, 2; Lesser Goldfinch, 3; Spotted Towhee, 3; Brown Towhee, 50; Savannah Sparrow, 24; Lark Sparrow, 26; Oregon Junco, 145; White-crowned Sparrow, 98; Golden-crowned Sparrow, 49; Song Sparrow, 12. **Total,** 107 species; 5841 individuals.—Charles Anderson, Viola Anderson.

425. San Bernardino, Calif. (Warm Creek Wild Life Refuge, which is along the south boundary of town, Swing Ranch ponds, Prospect Street in Loma Linda, 5th Street Park in S. B., Del Rosa foothills; streamside willows 25%, ponds and cattail marshes 35%, deciduous woods 20%, chaparral 15%, town 5%).—Dec. 26; 9 a.m. to 5:30 p.m. Clear and sunny; temp. 57° to 75°; wind SE to N, 5-15 m.p.h.; slight breeze in afternoon; hillsides very dry, water in stream low. Seven observers in 2 parties. Total party-hours, 15 (4 on foot, 11 by car); total party-miles, 12 (5 on foot, 7 by car). Great Blue Heron, 1; Am. Egret, 2; Green Heron, 1; Mallard, 21; Am. Widgeon, 8; Shoveller, 7; Redhead, 2; Ring-necked Duck, 2; Canvas-back, 4; Ruddy Duck, 56; Red-breasted Merganser, 2; Red-tailed Hawk, 1; Sparrow Hawk, 4; Florida Gallinule, 5; Am. Coot, 952; Anna's Hummingbird, 1; Red-shafted Flicker, 12; Yellow-bellied Sapsucker (Red-breasted), 1; Black Phoebe, 7; Say's Phoebe, 1; Scrub Jay, 11; Mountain Chickadee, 1; Common Bushtit, 14; Mockingbird, 3; Am. Robin, 1; Western Bluebird, 7; Blue-gray Gnatcatcher, 6; Cedar Waxwing, 79; Phainopepla, 2; Orange-crowned Warbler, 1; Audubon's Warbler, 21; Common Yellowthroat, 3; Western Meadowlark, 1; Red-winged Blackbird, 79; Brewer's Blackbird, 477; House Finch, 21; Lesser Goldfinch, 6; Spotted Towhee, 4; Brown Towhee, 11; White-crowned Sparrow (Gambel's), 4; Song Sparrow, 4. **Total,** 41 species; 1851 individuals.—Dr. and Mrs. John E. Hughes, Mrs. Charles West, Mildred Smith, Leora Walker, Mrs. Ira Wissler, Mrs. Glenn Vaughn (San Bernardino Valley Audubon Society).

426. San Diego, Calif. (7½-mile radius centering on Balboa Park, Mission Bay; salt marshes 15%, ocean beach shores [rocky] 5%, bay shore at north end San Diego Bay 20%, ocean shore at Coronado Beach 10%, inland Sweetwater Valley 20%, and nearby mesas 25%, Sweetwater Reservoir 5%).—Dec. 27; 6:30 a.m. to 5:15 p.m. Clear; temp. 64° to 49°; wind W, 11 m.p.h. Five observers in 2 parties. Total party-hours, 53 (6 on foot, 47 by car); total party-miles, 95 (10 on foot, 85 by car). Common Loon, 8; Arctic Loon, 6; Horned Grebe, 49; Eared Grebe, 173; Western Grebe, 510; Pied-billed Grebe, 4; Brown Pelican, 180; Double-crested Cormorant, 140; Brandt's Cormorant, 6; Pelagic Cormorant, 2; Great Blue Heron, 22; Am. Egret, 72; Snowy Egret, 165; Green Heron, 1; Black-crowned Night Heron, 2; Brant, 620; Snow Goose, 1; Am. Widgeon, 149; Pintail, 27; Cinnamon Teal, 1; Shoveller, 13; Redhead, 2; Ring-necked Duck, 3; Lesser Scaup, 1702; Am. Golden-eye, 2; Buffle-head, 37; Surf Scoter, 6713; Am. Scoter, 3; Ruddy Duck, 1; Red-breasted Merganser, 19; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Golden Eagle, 1; Marsh Hawk, 4; Sparrow Hawk, 12; California Quail, 26; Clapper Rail, 4; Am. Coot, 80; Snowy Plover, 17; Ringed Plover, 41; Killdeer, 43; Black-bellied Plover, 472; Golden Plover, 2; Surf-bird, 3; Ruddy Turnstone, 15; Black Turnstone, 36; Wilson's Snipe, 1; Long-billed Curlew, 23; Hudsonian Curlew, 4; Spotted Sandpiper, 2; Willet, 5555; Greater Yellow-legs, 9; Red Knot, 8; Least Sandpiper, 1867; Red-backed Sandpiper, 12; Dowitcher, 187; Western Sandpiper, 1500; Marbled Godwit, 1208; Sanderling, 55; Am. Avocet, 58; Glaucous-winged Gull, 4; Western Gull, 106; Herring Gull, 184; California Gull, 1667; Ring-billed Gull, 1654; Bonaparte's Gull, 128; Heermann's Gull, 22; Forster's Tern, 17; Royal Tern, 11; Mourning Dove, 475; White-winged Dove, 1; Burrowing Owl, 3; Short-eared Owl, 3; Anna's Hummingbird, 1; Belted Kingfisher, 3; Red-shafted Flicker, 3; Cassin's Kingbird, 1; Black Phoebe, 8; Say's Phobe, 7; Vermilion Flycatcher, 3; Horned Lark, 213; Scrub Jay, 6; Common Bushtit, 33; Wren-tit, 2; House Wren, 1; Bewick's Wren, 1; Long-billed Marsh Wren, 3; Canyon Wren, 1; Rock Wren, 3; Mockingbird, 31; California Thrasher. 4; Am. Robin, 1; Hermit Thrush, 1; Western Bluebird, 15; Blue-gray Gnatcatcher, 3; Black-tailed Gnatcatcher, 5; Water Pipit, 7; Cedar Waxwing, 20; Loggerhead Shrike, 17; Hutton's Vireo, 2; Orange-crowned Warbler, 1; Audubon's Warbler, 250; Common Yellowthroat, 3; House Sparrow, 193; Western Meadowlark, 82; Red-winged Blackbird, 165; Brewer's Blackbird, 316; Brown-headed Cowbird, 20; House Finch, 450; Lesser Goldfinch, 20; Spotted Towhee, 1; Brown Towhee, 61; Savannah Sparrow, 49 (including Large-billed, 12; and Belding's, 16); Vesper Sparrow, 25; Lark Sparrow, 10; Rufous-crowned Sparrow, 2; White-crowned Sparrow, 568; Fox Sparrow, 2; Lincoln's Sparrow, 1; Song Sparrow, 7. **Total,** 121 species (2 additional subspecies); 28,777 individuals.—Laurence M. Huey (compiler), Karl W. Kenyon, Charles F. Harbison, James E. Sams, Ken Stott.

427. San Francisco, Calif. (Marina, Lincoln

Park, Twin Peaks, Sutro Forest, Land's End, Golden Gate Park, Stern Grove, Treasure Island, Hunters Point, Bayshore, Presidio, Pacific Ocean Beach, Lake Merced; park 35%, bay 25%, ocean 6%, fresh water lakes 6%, open fields 4%, other 21%).—Dec. 24; 7:30 a.m. to 4:30 p.m. Clear, sunny; temp. 47° to 54°; wind NW, 1-7 m.p.h. Forty-four observers in 12 parties. Total party-hours, 89 (75 on foot, 14 by car); total party-miles, 130 (65 on foot, 65 by car). Common Loon, 5; Arctic Loon, 1; Red-throated Loon, 18; Red-necked Grebe, 2; Horned Grebe, 6; Eared Grebe, 84; Western Grebe, 449; Pied-billed Grebe, 24; Brown Pelican, 145; Double-crested Cormorant, 993; Brandt's Cormorant, 42; Pelagic Cormorant, 1; Great Blue Heron, 1; Am. Egret, 7; Black-crowned Night Heron, 12; Am. Bittern, 1; Canada Goose, 2 (including Cackling, 1); White-fronted Goose, 4; Mallard, 555; Am. Widgeon, 243; Pintail, 7; Green-winged Teal, 1; Shoveller, 16; Wood Duck, 4; Redhead, 2; Ring-necked Duck, 49; Canvas-back, 70; Greater Scaup, 1; Lesser Scaup, 144; Am. Golden-eye, 7; White-winged Scoter, 12; Surf Scoter, 74; Am. Scoter, 1; Ruddy Duck, 451; Am. Merganser, 4; Red-breasted Merganser, 28; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 14; Peregrine Falcon, 1; Sparrow Hawk, 32; California Quail, 289; Sora, 2; Florida Gallinule, 2; Am. Coot, 579; Killdeer, 19; Surfbird, 5; Black Turnstone, 54; Wilson's Snipe, 2; Spotted Sandpiper, 1; Willet, 20; Sanderling, 529; Glaucous-winged Gull, 250; Western Gull, 996; Herring Gull, 303; California Gull, 3022; Ring-billed Gull, 198; Short-billed Gull, 307; Bonaparte's Gull, 119; Heermann's Gull, 22; unidentified gulls, 2500; Forster's Tern, 2; Pigeon Guillemot, 1; Burrowing Owl, 1; Anna's Hummingbird, 75; Belted Kingfisher, 1; Red-shafted Flicker, 49; Yellow-bellied Sapsucker, 4 (Red-breasted); Downy Woodpecker, 2; Black Phoebe, 18; Horned Lark, 26; Scrub Jay, 11; Common Raven, 8; Chestnut-backed Chickadee, 151; Plain Titmouse, 10; Common Bushtit, 80; Red-breasted Nuthatch, 12; Brown Creeper, 5; Winter Wren, 2; Bewick's Wren, 5; Am. Robin, 36; Varied Thrush, 5; Hermit Thrush, 5; Western Bluebird, 2; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 37; Water Pipit, 20; Loggerhead Shrike, 7; Hutton's Vireo, 2; Orange-crowned Warbler, 1; Myrtle Warbler, 7; Audubon's Warbler, 80; Townsend's Warbler, 10; Common Yellowthroat, 7; House Sparrow, 438; Western Meadowlark, 86; Brewer's Blackbird, 1351; Purple Finch, 53; House Finch, 519; Pine Siskin, 7; Am. Goldfinch, 5; Lesser Goldfinch, 17; Spotted Towhee, 13; Savannah Sparrow, 2; Oregon Junco, 306; White-crowned Sparrow, 1002; Golden-crowned Sparrow, 30; Fox Sparrow, 35; Song Sparrow, 74. **Total,** 109 species (1 additional subspecies); 17,382 individuals.—H. C. Adamson, E. Adamson, E. Austin, A. Berry, M. Brown, A. Boles, S. Bozant, C. L. Carson, L. Curl, H. Curl, D. De Foe, J. Debenham, J. M. F. Du Bois, S. Dempster, P. Ferry, R. Higgins, W. Johnson, G. T. Kilham, E. Kilham, J. Kirk, A. B. Leet, L. R. Leinbach, M. B. Leinbach, A. E. Long, E. M. Matheson, J. Matheson, J. L. Mathis, III, E. A. Mayers, J. P. McCarthy, A. H. Myer (compiler), D. G. Nichols, R. H. Pray, W. Pope, T. E. Reynolds, E. E. Richardson, A. Rinehart, K. R. Schulz, R. Schulz, F. A. Scott, R. M. Scruggs, B. W. Stone, P. B. Tudbury, H. Teitler, E. Van Scyoc (Golden Gate Audubon Society).

428. San Jose, Calif. (center of count area northeast of city, corner of Capitol Ave. Maybury Rd.; marsh 18%, stream thicket 13%, pasture 15%, foothill canyon 22%, suburbs 42%, orchards 22%, waste fields 2%).—Dec. 31; 8 a.m. to 3:30 p.m. Clear; temp. 36° to 55°; wind NW, 12-30 m.p.h. Twenty-three observers in 5 parties. Total party-hours, 120 (18½ on foot, 101½ by car); total party-miles, 119 (18½ on foot, 100½ by car). Eared Grebe, 400 (±50; Great Blue Heron, 3; Am. Egret, 10; Canada Goose, 1; Mallard, 11; Pintail, 647; Green-winged Teal, 2; Cinnamon Teal, 3; Shoveller, 750 (±100); Redhead, 2; Canvas-back, 16; Am. Golden-eye, 2; Buffle-head, 12; Ruddy Duck, 355 (±50); Turkey Vulture, 6; White-tailed Kite, 1; Sharp-shinned Hawk, 5; Cooper's Hawk, 2; Red-tailed Hawk, 27; Ferruginous Hawk, 1; Golden Eagle, 5; Marsh Hawk, 6; Prairie Falcon, 2; Sparrow Hawk, 35; California Quail, 36; Am. Coot, 1600 (±200); Killdeer, 125; Black-bellied Plover, 48; Wilson's Snipe, 25; Long-billed Curlew, 1; Spotted Sandpiper, 1; Willet, 3335 (±1000); Greater Yellow-legs, 30; Least Sandpiper, 877 (±50); Red-backed Sandpiper, 491 (±25); Dowitcher, 29; Western Sandpiper, 536; Marbled Godwit, 13; Am. Avocet, 2300 (±200); Glaucous-winged Gull, 4; Herring Gull, 602; Ring-billed Gull, 635; Bonaparte's Gull, 101; Forster's Tern, 1; Mourning Dove, 1; Burrowing Owl, 1; White-throated Swift, 12; Anna's Hummingbird, 8; Red-shafted Flicker, 23; Acorn Woodpecker, 20; Yellow-bellied Sapsucker (Red-breasted), 4; Nuttall's Woodpecker, 9; Black Phoebe, 8; Horned Lark, 130 (±10); Steller's Jay, 30; Scrub Jay, 34; Yellow-billed Magpie, 9; Am. Crow, 117 (±10); Chestnut-backed Chickadee, 34; Plain Titmouse, 13; Common Bushtit, 38; Red-breasted Nuthatch, 2; Wren-tit, 4; Winter Wren, 1; Bewick's Wren, 5; Canyon Wren, 1; Mockingbird, 34; Am. Robin, 105; Varied Thrush, 10; Hermit Thrush, 13; Western Bluebird, 77; Black-tailed Gnatcatcher, 1; Golden-crowned Kinglet, 34; Ruby-crowned Kinglet, 18; Water Pipit, 508; Cedar Waxwing, 14; Loggerhead Shrike, 13; Hutton's Vireo, 7; Orange-crowned Warbler, 3; Myrtle Warbler, 2; Audubon's Warbler, 141; Townsend's Warbler, 1; Black-throated Gray Warbler, 1; House Sparrow, 48; Western Meadowlark, 314 (±50); Red-winged Blackbird, 6; Brewer's Blackbird, 750 (±30); Purple Finch, 19; House Finch, 206; Pine Siskin, 20; Am. Goldfinch, 3; Lesser Goldfinch, 380; Spotted Towhee, 6; Brown Towhee, 36; Savannah Sparrow, 29; Lark Sparrow, 103; Rufous-crowned Sparrow, 2; Oregon Junco, 203; White-crowned

Sparrow, 281; Golden-crowned Sparrow, 85; Fox Sparrow, 3; Song Sparrow, 33. **Total,** 104 species; about 17,136 individuals. (Seen in area Dec. 30: 1 Evening Grosbeak, (Fanny Zwaal)—Eva Allen, Grace Brubaker, Janet Koppel, B. Neil Dickenson, William Graf, Beatrice Nielsen, George Nielsen, Esther Ollis, James Peterson, Agnes Prusman, Clyde Prusman, Marian Seibert, Milton Seibert, Mrs. R. L. Shore, Charles Sibley, C. L. Sleeper, Emily Smith, Angeline Snow, I. W. Snow, Margaret Weiss, Albert Wool, Fanny Zwaal, Anne Peterson (compiler) (Santa Clara Valley Audubon Society).

429. Yosemite National Park, Calif. (15 miles, Mirror Lake to El Portal; lakeshore 2%, swampland 5%, semi-open hillsides 11%, meadowlands 12%, riverbanks 30%, coniferous forests 40%).—Dec. 27; 8:30 a.m. to 5 p.m. Clear; temp. 33° to 56°; no wind; no snow on ground; all water open. Thirteen observers in 4 parties. Total party-hours, 24 (13 on foot, 11 by car); total party-miles, 49 (23 on foot, 26 by car). Great Blue Heron, 1; Red-tailed Hawk, 6; Sparrow Hawk, 1; Pygmy Owl, 1; Belted Kingfisher, 7; Red-shafted Flicker, 11; Pileated Woodpecker, 2; Acorn Woodpecker, 57; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 1; Nuttall's Woodpecker, 2; White-headed Woodpecker, 1; Black Phoebe, 1; Say's Phoebe, 1; Steller's Jay, 209; Scrub Jay, 26; Mountain Chickadee, 142; Plain Titmouse, 84; Common Bushtit, 50; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 20; Brown Creeper, 49; Wren-tit, 1; Am. Dipper, 5; House Wren, 1; Canyon Wren, 2; Am. Robin, 3; Varied Thrush, 7; Golden-crowned Kinglet, 42; Ruby-crowned Kinglet, 9; Audubon's Warbler, 1; House Sparrow, 2; Purple Finch, 10; House Finch, 28; Pine Siskin, 25; Lesser Goldfinch, 11; Spotted Towhee, 16; Brown Towhee, 77; Slate-colored Junco, 1; Oregon Junco, 86; Golden-crowned Sparrow, 25; Fox Sparrow, 6; Song Sparrow, 8. **Total,** 44 species; 1044 individuals.—Helen Cramer, Sterling Cramer, Erma Fitzpatrick, Lillian Fitzpatrick, W. J. Fitzpatrick (compiler), Norman Herkenham, Bona May McHenry, Bruce McHenry, Harry C. Parker, Katharine J. Parker, Virginia Ann Sturm, Mary Curry Tresidder, O. L. Wallis.

430. Monterrey, Nuevo Leon Mexico (Monterrey to Chipinque Mesa and return; streets 1%, river bed 1%, desert foothills 4%, fields with irrigation ditches and hedgerows 6%, brushy slopes of Sierra Madre Mountains 40%, mixed pine and broadleaf forest 48%; altitude 1765 ft. to 5000 ft.).—Jan. 1; 6 a.m. to 8 p.m. Clear to partly cloudy; temp. 48° to 79°; wind SW to SE, 0-8 m.p.h.; ground bare and dry; no ice and very little water. One observer. Total hours, 14 (on foot); total miles, 25 (on foot). Great Blue Heron, 1; Turkey Vulture, 49; Black Vulture, 57; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Killdeer, 2; Mourning Dove, 105; White-fronted Dove, 1; Lichtenstein's Woodpecker, 1; Golden-fronted Woodpecker, 9; Eastern Phoebe, 7; Say's Phoebe, 1; Couch's Jay, 35; Green Jay, 5; Common Raven, 2; Black-crested Titmouse, 9; Bridled Titmouse, 12; Verdin, 7; House Wren, 3; Bewick's Wren, 5; Carolina Wren (Berlandier's), 10; Mockingbird, 6; Sennett's Thrasher, 2; Brown-backed Solitaire, 1; Hermit Thrush, 5; Blue-gray Gnatcatcher, 29; Ruby-crowned Kinglet, 39; Cedar Waxwing, 32; Loggerhead Shrike, 2; Black and White Warbler, 2; Mexican Warbler, 4; Orange-crowned Warbler, 7; Myrtle Warbler, 3; Audubon's Warbler, 2; Townsend's Warbler, 2; Jouy's Warbler, 3; Painted Redstart, 2; House Sparrow, 1; Audubon's Oriole, 3; Boat-tailed Grackle, 85; Cardinal, 6; Pyrrhuloxia, 6; Crimson-collared Grosbeak, 3; House Finch, 1; Rufous-capped Atlapetes, 7; Texas Sparrow, 6; Green-tailed Towhee, 1; Spotted Towhee, 3; Lark Sparrow, 5; Rufous-crowned Sparrow, 23; Black-throated Sparrow, 7. **Total,** 51 species; 621 individuals. (Seen in and just outside area Dec. 31; Cooper's Hawk, 1; Bob-white, 9; Inca Dove, 15; Black Phoebe, 3; Vermilion Flycatcher, 3; Rock Wren, 1; Am. Robin, 1; Eastern Bluebird, 1; Black-capped Warbler, 1; Lesser Goldfinch, 4.)—E. B. Kincaid.

431. Xilitla, San Luis Potosi, Mexico. (a circle of 7½ miles radius with center about 1 mile northeast of Xilitla, including 10 miles or more of the Axtla River at 300 ft. elevation and numerous mountains ranging up to 8300 ft.; lowland tropical forest 15%, mountain rain forest 10%, sweetgum woods 2%, pine and oak woods 15%, pastures, fields and orchards 57%, townsites 1%).—Dec. 28; 7 a.m. to 6 p.m. Very heavy fog in the early morning followed by heavy clouds and occasional drizzle in the lowlands, continued for all day at mid elevations, and clear to partly cloudy after early morning fog above 5000 ft.; temp. about 50° to 75° at average elevation; wind N, 0-15 m.p.h. Twenty observers in 8 parties. Total party-hours, 72 (62 on foot, 10 by car); total party-miles, 87 (52 on foot, 35 by car). Common names are those of nominate race in Ridgway insofar as possible. Rufescent Tinamou, 2; Least Grebe, 14; Pied-billed Grebe, 30; Olivaceus Cormorant, 41; Anhinga, 6; Am. Egret, 15; Snowy Egret, 6; Louisiana Heron, 1; Little Blue Heron, 6; Green Heron, 7; White-faced (?) Ibis, 2; Mallard, 9; Gadwall, 67; Am. Widgeon, 25; Pintail, 9; Green-winged Teal, 18; Blue-winged Teal, 20; Cinnamon Teal, 6; Shoveller, 4; Redhead, 4; Turkey Vulture, 54; Black Vulture, 255; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Bicolored Hawk, 2; Red-tailed Hawk, 3; Zone-tailed Hawk, 2; Insect Hawk, 6; Gray Hawk, 8; Mexican Urubitinga, 1; Crab Hawk, 1; Marsh Hawk, 1; Osprey, 1; Audubon's Caracara, 15; Pied Forest Falcon, 1; Peregrine Falcon, 2; Sparrow Hawk, 21; Chachalaca, 9; Bob-white, 8; Long-toed Quail, 5; Florida Gallinule, 5; Purple Gallinule, 1; Am. Coot, 109; Mexican Jacana, 9; Killdeer, 9; Wilson's Snipe, 3; Spotted Sandpiper, 13; Herring Gull, 7; Red-billed Pigeon, 143; Mexican Ground Dove, 3; Ruddy Ground Dove, 7; Inca

Dove, 8; White-fronted Dove, 23; Ruddy Quail-dove, 1; Green Macaw, 38; Green Paroquet, 84; White-crowned Parrot, 5; Red-crowned Parrot, 551; Yellow-cheeked Parrot, 754; Yellow-headed Parrot, 30; Squirrel Cuckoo, 11; Groove-billed Ani, 75; Barn Owl, 1 (killed by native); Cassin's Owl, 3; Ferruginous Owl, 1; Pauraque, 4; Whip-poor-will, 1; White-throated Swift, 380; Curve-winged Saber-wing, 2; Prevost's Mango, 1; Canivet's Emerald, 7; White-eared Hummingbird, 1; White-bellied Emerald, 1; Buff-bellied Hummingbird, 8; Rivoli Hummingbird, 36; Lucifer Hummingbird, 1; Ruby-throated Hummingbird, 3; Ringed Kingfisher, 1; Belted Kingfisher, 6; Amazon Kingfisher, 12; Green Kingfisher, 20; Least Kingfisher, 7; Blue-crowned Motmot, 5; Mexican Trogon, 2; Jalapa Trogon, 9; Coppery-tailed Trogon, 5; Gartered Trogon, 5; Keel-billed Toucan, 4; Emerald Toucanet, 20; Lineated Woodpecker, 2; Lichtenstein's Woodpecker, 6; Golden-fronted Woodpecker, 8; Oleaginous Woodpecker, 4; Veracruz Ivorybill, 1; Acorn Woodpecker, 15; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Ladder-backed Woodpecker, 1; Mexican Antshrike, 10; Swainson's Woodhewer, 29; Allied Woodhewer, 26; Mexican Sittasomus, 5; Tropical Kingbird, 20; Boat-billed Flycatcher, 26; Giraud's Flycatcher, 145; Derby Flycatcher, 31; Mexican Crested Flycatcher, 3; Eastern Phoebe, 15; Black Phoebe, 5; Olivaceous Flycatcher, 16; pewee [sp.], 2; Coues's Flycatcher, 23; Least Flycatcher, 10; Western Flycatcher, 3; Gray Flycatcher, 4; Vermilion Flycatcher, 40; Rose-throated Becard, 17; Mexican Tityra, 14; Violet-green Swallow, 1; Arizona Jay, 11; Green Jay, 38; Brown Jay, 172; Common Raven, 7; Bridled Titmouse, 1; House Wren, 23; Bewick's Wren, 1; Spotted-breasted Wren, 25; Wood Wren, 5; Cañon Wren, 1; N. Am. Mockingbird, 6; Catbird, 8; Sennett's Thrasher, 2; Mex. Blue Mockingbird, 4; Am. Robin, 3; Gray's Robin, 111; Jalapa Robin, 9; Black Robin, 1; Hermit Thrush, 8; Black-capped Nightingale Thrush, 1; Eastern Bluebird, 4; Brown-backed Solitaire, 15; Slate-colored Solitaire, 1; Blue-gray Gnatcatcher, 89; Ruby-crowned Kinglet, 41; Cedar Waxwing, 258; Mex. Ptilogonys, 7; Mex. Pepper-shrike, 6; White-eyed Vireo, 15; Yellow-green Vireo, 1; Solitary Vireo, 24; Blue Honeycreeper, 9; Black and White Warbler, 29; Tennessee Warbler, 1; Orange-crowned Warbler, 12; Nashville Warbler, 105; Virginia's Warbler, 1; Hartlaub's Warbler, 4; Sennett's Warbler, 7; Olive Warbler, 4; Yellow Warbler, 3; Magnolia Warbler, 1; Myrtle Warbler, 12; Audubon's Warbler, 4; Black-throated Gray Warbler, 1; Townsend's Warbler, 13; Black-throated Green Warbler, 75; Hermit Warbler, 9; Grace's Warbler, 1; Oven-bird, 1; Louisiana Water-thrush, 8; Northern Water-thrush, 8; Macgillivray's Warbler, 1; Common Yellowthroat, 21; Hooded Yellowthroat, 8; Ralph's Ground Chat, 7; Yellow-breasted Chat, 7; Black-capped Warbler, 203; Painted Redstart, 4; Fan-tailed Warbler, 4; Brasher's Warbler, 19; Bell's Warbler, 1; Rufous-capped Warbler, 50; House Sparrow, 1; Red-winged Blackbird, 25; Hooded Oriole, 10; Alta Mira Oriole, 19; Audubon's Oriole, 38; Baltimore Oriole, 3; Prevost's Cacique, 6; Boat-tailed Grackle, 117; Sumichrast's Blackbird, 169; Brown-headed Cowbird, 1; Brown-headed Chlorospingus, 130; Salvin's Ant Tanager, 7; Mex. Ant Tanager, 7; Lafresnaye's Tanager, 1; Western Tanager, 1; White-winged Tanager, 8; Hepatic Tanager, 19; Summer Tanager, 17; Abbot's Tanager, 152; Bonaparte's Euphonia, 26; Lesson's Euphonia, 3; Blue-hooded Euphonia, 2; Black-headed Saltator, 71; Vigors's Saltator, 11; Crimson-collared Grosbeak, 38; Cardinal, 4; Rose-breasted Grosbeak, 7; Black-headed Grosbeak, 8; Blue Grosbeak, 8; Blue Bunting, 7; Indigo Bunting, 10; Mexican Grassquit, 57; Blue-black Grassquit, 1; Sharpe's Seedeater, 106; Black-headed Siskin, 4; Lesser Goldfinch, 37; Red Crossbill, 10; Rufous-capped Atlapetes, 7; White-naped Atlapetes, 2; Texas Sparrow, 14; Spotted Towhee, 2; Brown Towhee, 4; Rusty Sparrow, 4; Rufous-capped Sparrow, 1; Arizona Junco, 2; Chipping Sparrow, 110; Lincoln's Sparrow, 9. **Total,** 230 species; 6444 individuals. On the day before the census three different teams decided without previously comparing notes that most of the Empidonax flycatchers in the eastern portion of the circle were Least Flycatchers; consequently, it was decided to list all birds of this genus found on the east (wet) side of the mountains as such although two species were probably present. Some birds of this genus up in the mountains were quite different (decidedly yellow below with a greenish wash on the breast) and were listed as Western Flycatchers. At the far western edge of the circle (dry side of the mountain) the genus was represented by quite gray birds which showed no yellow below; hence they were listed as Gray Flycatchers although two species may be included. In these cases the names used merely indicate that at least 3 species of the genus were observed; exact identification is not claimed. A number of the tropical birds listed may not be found in previously published data for the state but since they have been repeatedly found within the region year after year by Irby Davis, it was expected that they would turn up on the census with one exception. This is the White-naped Atlapetes which none of the observers had ever before seen within several hundred miles of the area. The species was listed by two different teams, one of which was headed by Marshall Johnston who had seen the bird a number of times in Chiapas. Richard Bentley also listed the species and, since it was unknown to him, submitted a drawing and very careful and complete description of the bird. In the above list all members of the genus *Turdus* are called robins of which there were 4 species. [All observers who had not had previous experience with the birds of this region were given an intensive training course in the identification of the expected species. descriptions of all doubtful identifications were carefully screened by Irby Davis—Ed.]—L. Irby Davis, Marshall Johnston, Richard Bentley, William S.

Jennings, Luther Goldman, Robert L. Taylor, Robert L. Pyle, Arnold Small, Herbert Clarke, Fred Sterns, Margaret Sterns, Karl W. Haller, Pauline James, Anna May Davis, Dick S. Payne, Robert Drawe, Coralyn Davis, Martha Chambers, Carolyn Somers, Buford Slay.

432. Oahu, T. H. (Tantalus Trail, Kaelepulu Pond, Bellows Field, Mokapu Peninsula-Ulupau Head, residential areas in Honolulu; ponds and marshes 10%, sandy beach 14%, tidal flats 14%, coastal headland and adjacent crater 24%, lower forest 14%, residential area 24%).—Dec. 31; 6:55 a.m. to 2:30 p.m. Cloudy, occasional heavy showers; temp. 59° to 82°; wind E to SE, 1-24 m.p.h. Thirteen observers in 5 parties. Total party-hours, 23 (on foot); total party-miles, 224 (15 on foot, 209 by car). Red-footed Booby, 811; Brown Booby, 7; Frigate Bird, 1; Black-crowned Night Heron, 3; Pintail, 278; duck (sp.), 1; waterfowl (sp.), 150; Am. Coot (Hawaiian), 652; Am. Golden Plover (Pacific), 219; Ruddy Turnstone, 141; Wandering Tattler, 25; Stilt (Hawaiian), 31; Spotted Dove (Chinese), 312; Barred Dove, 211; Elepaio, 9; Apapane, 2; Red-billed Leiothrix, 20; White-eye, 39; House Mynah, 520; House Sparrow, 293; Ricebird, 233; Kentucky Cardinal, 93; Brazilian Cardinal, 16; Chinese Thrush, 5; House Finch, 10. **Total,** 23 species; about 4082 individuals.—Catherine Delamere, Ruth L. Dingus, Laura A. Draper, Charles M. Dunn, Grace F. Gossard, Ray H. Greenfield, E. B. Hamilton, Bernice Kuhns, Louetta Kuhns, Helen Peterson, Anne Powlison, Euphie G. M. Shields, Howard Touby (Hawaii Audubon Society).

Summary of Highest Counts of Individuals

By Chandler S. Robbins

The total number of species reported from continental United States and Canada on the fifty-first Christmas Bird Count was 450, excluding a few rarities which were not accompanied by sufficient details. This is an increase of five over last year, and once again sets a new record.

Two counts taken in Mexico this year would, if included in this summary, greatly increase the number of species identified; they would also result in some drastic changes in the list of highest counts. Since, however, the majority of readers are primarily interested in the area covered by the A. O. U. Check-List, it was deemed advisable to restrict this summary to that area as in the past.

Six new species were added to the Christmas Count list this year: Barnacle Goose, Everglade Kite, Ruddy Ground Dove, Buff-bellied Hummingbird, Coues's Flycatcher, and Warbling Vireo.

The State of Texas again has the most entries in this summary, with California and Florida close behind, and Arizona a poor fourth. Harlingen, Tex., holds the undisputed lead for a single locality, with the highest (or tied) count on 38 species. Then follow Tucson, Ariz., with 21; Coot Bay, Fla., Laguna Atascosa Refuge, Tex., and Los Angeles, Calif., with 18; and St. Petersburg, Fla., with 15. All but six states or provinces (Idaho, Montana, Michigan, Kentucky, Vermont, and Saskatchewan) had the highest count on one or more species.

Common Loon, 77 (*R. I.*, Newport Co.); Arctic Loon, 31 (*Calif.*, Monterey); Red-throated Loon, 44 (*R. I.*, Newport Co.); Red-necked Grebe, 47 (*Me.*, Wells); Horned Grebe, 95; (*N. Y.*, Smithtown, L. I.); Eared Grebe, 400 (*Calif.*, San Jose); Least Grebe, 30 (*Tex.*, Harlingen); Western Grebe, 510 (*Calif.*, San Diego); Pied-billed Grebe, 117 (*La.*, St. Francisville); White Pelican, 632 (*Fla.*, Coot Bay); Brown Pelican, 807 (*Fla.*, St. Petersburg); Gannet, 23 (*Mass.*, Cape Ann; *N. C.*, Wilmington); European Cormorant, 770 (*R. I.*, Newport Co.); Double-crested Cormorant, 1797 (*Calif.*, Oakland); Olivaceus Cormorant, 393 (*La.*, Grand Island); Brandt's Cormorant, 266 (*Calif.*, Monterey); Pelagic Cormorant, 128 (*Calif.*, Monterey); Water-turkey, 153 (*Fla.*, Monroe); Man-o'-war-bird, 4 (*Fla.*, Key West); Great White Heron, 2 (*Fla.*, Key West; *Tenn.*, Everglades National Park); Great Blue Heron, 195 (*Tex.*, Laguna Atascosa Refuge); Am. Egret, 514 (*Fla.*, Monroe); Snowy Egret, 975 (*Fla.*, Daytona Beach); Reddish Egret, 38 (*Tex.*, Laguna Atascosa Refuge); Louisiana Heron, 486 (*Fla.*, Daytona Beach); Little Blue Heron, 328 (*Fla.*, Monroe); Green Heron, 48 (*Fla.*, Coot Bay); Black-crowned Night Heron, 180 (*Calif.*, Salinas); Yellow-crowned Night Heron, 52 (*Fla.*, St. Petersburg); Am. Bittern, 10 (*Fla.*, Monroe); Least Bittern, 1 (*Tex.*, Harlingen); Wood Ibis, 286 (*Fla.*, Coot Bay); Glossy Ibis, 3 (*Fla.*, Palm Beach); White-faced Ibis, 131 (*La.*, Sabine Refuge); White Ibis, 3016 (*Fla.*, Monroe); Roseate Spoonbill, 38 (*Fla.*, Coot Bay).

Mute Swan, 41 (*N. Y.*, Quogue, L. I.); Whistling Swan, 1150 (*Utah*, Bear River Refuge); Canada Goose, 15,000 (*Mo.*, Squaw Creek Refuge); Brant, 30,000 (*N. J.*, Cape May); Barnacle Goose, 1 (*N. C.*, Pea Island); White-fronted Goose, 500 (*Calif.*, Sacramento); Snow Goose, 35,000 (*La.*, Sabine Refuge); Blue Goose, 20,000 (*La.*, Sabine Refuge); Ross's Goose, 26 (*Calif.*, Marysville); Mallard, 257,250 (*Ind.*, Hovey Lake); Black Duck, 28,600 (*Ind.*, Hovey Lake); Mottled Duck, 105 (*Tex.*, Laguna Atascosa Refuge); New Mexican Duck, 2 (*N. Mex.*, Bosque del Apache Refuge); Gadwall, 600 (*N. Mex.*, Bitter Lake Refuge); European Widgeon, 4 (*N. Y.*, Southern Nassau Co., L. I.); Am. Widgeon, 40,000 (*Va.*, Back Bay Refuge); Pintail, 58,197 (*Tex.*, Laguna Atascosa Refuge); European Teal, 1 (*Md.*, Ocean City); Green-winged Teal, 28,000 (*Utah*, Bear River Refuge); Blue-winged Teal, 391 (*Fla.*, Coot Bay); Cinnamon Teal, 12 (*Tex.*, Harlingen); Shoveller,

111 (*Calif.*, Oceanside-Carlsbad); Wood Duck, 416 (*Ark.*, White River Refuge); Redhead, 10,445 (*Tex.*, Laguna Atascosa Refuge); Ring-necked Duck, 6450 (*Va.*, Back Bay Refuge); Canvas-back, 9215 (*Va.*, Back Bay Refuge); Greater Scaup, 7539 (*N. Y.*, Western Long Island); Lesser Scaup, 10,500 (*Fla.*, Coot Bay); Am. Golden-eye, 5213 (*Ill.*, Waukegan); Barrow's Golden-eye, 6 (*Me.*, Brunswick; *N. H.*, Laconia); Buffle-head, 271 (*Mass.*, Lynn); Old-squaw, 1811 (*Ill.*, Chicago); Harlequin Duck, 2 (*Mass.*, Cape Cod); Common Eider, 1694 (*Mass.*, Provincetown); King Eider, 2 (*Ont.*, Hamilton); White-winged Scoter, 1238 (*Conn.*, Westport); Surf Scoter, 6713 (*Calif.*, San Diego); Am. Scoter, 40 (*N. Y.*, Quogue, L. I.); Ruddy Duck, 4600; (*La.*, St. Francisville); Hooded Merganser, 176 (*N. C.*, Wilmington); Am. Merganser, 1763 (*Okla.*, Oklahoma City); Red-breasted Merganser, 1704 (*Mass.*, Quincy).

Turkey Vulture, 386 (*Md.*, Ocean City); Black Vulture, 308 (*Fla.*, St. Petersburg); White-tailed Kite, 8 (*Tex.*, Laguna Atascosa Refuge); Everglade Kite, 1 (*Fla.*, St. Marks Refuge); Goshawk, 2 (*Minn.*, St. Paul; *Ohio*, Dayton; *N. Y.*; Ft. Plain); Sharp-shinned Hawk, 8 (*N. J.*, Cape May); Cooper's Hawk, 8 (*Ohio*, Cincinnati; *Tex.*, Laguna Atascosa Refuge, Harlingen); Red-tailed Hawk, 33 (*Pa.*, Glenolden); Harlan's Hawk, 4 (*Kans.*, Baldwin); Red-shouldered Hawk, 65 (*Fla.*, Monroe); Broad-winged Hawk, 1 (*Fla.*, Key West, St. Petersburg, Palm Beach; *N. Y.*, Southern Nassau Co., L. I.); Swainson's Hawk, 2 (*Tex.*, El Paso, Big Bend National Park); White-tailed Hawk, 7 (*Tex.*, Laguna Atascosa Refuge); Short-tailed Hawk, 6 (*Fla.*, Coot Bay); Rough-legged Hawk, 15 (*Del.*, Bombay Hook Refuge); Ferruginous Hawk, 3 (*Nev.*, Ruby Lake Refuge); Harris's Hawk, 55 (*Tex.*, Laguna Atascosa Refuge); Golden Eagle, 41 (*Okla.*, Salt Plains Refuge); Bald Eagle, 63 (*Ill.*, Pere Marquette State Park); Marsh Hawk, 105 (*Del.*, Bombay Hook Refuge); Osprey, 39 (*Fla.*, Coot Bay); Audubon's Caracara, 41 (*Tex.*, Laguna Atascosa Refuge); Prairie Falcon, 2 (*Colo.*, Denver, Ft. Collins); Peregrine Falcon, 5 (*Tex.*, Laguna Atascosa Refuge, Harlingen); Pigeon Hawk, 3 (*Fla.*, St. Petersburg); Sparrow Hawk 115 (*Tex.*, Harlingen).

Chachalaca, 7 (*Tex.*, Laguna Atascosa Refuge); Blue Grouse, 15 (*Wyom.*, Casper); Ruffed Grouse, 22 (*Ont.*, Ottawa); Greater Prairie Chicken, 6 (*Kans.*, Topeka); Sharp-tailed Grouse, 52 (*N. Dak.*, Des Lacs Refuge); Sage Hen, 23 (*Nebr.*, Ruby Lake Refuge); European Partridge, 550 (*Wis.*, Milwaukee); Bob-white, 138 (*Tex.*, Laguna Atascosa Refuge); Scaled Quail, 82 (*Tex.*, El Paso); California Quail, 1311 (*Utah*, Salt Lake City); Gambel's Quail, 485 (*Ariz.*, Tucson); Mountain Quail, 2 (*Oreg.*, Portland); Ring-necked Pheasant, 5000 (*S. Dak.*, Sand Lake Refuge); Turkey, 116 (*Tex.*, Sabinal); Sandhill Crane, 11,005 (*N. Mex.*, Bitter Lake Refuge); Limpkin, 5 (*Fla.*, St. Marks Refuge); King Rail, 4 (*N. C.*, Wilmington; *Fla.*, Monroe); Clapper Rail, 95 (*La.*, Grand Island); Virginia Rail, 13 (*Md.*, Southern Dorchester Co.); Sora, 18 (*Calif.*, Oceanside-Carlsbad); Purple Gallinule, 10 (*Fla.*, Northwest Manatee Co.); Florida Gallinule, 25 (*Fla.*, Jacksonville); Am. Coot, 41,325 (*Fla.*, Coot Bay).

Am. Oyster-catcher, 30 (*S. C.*, Charleston); Black Oyster-catcher 7 (*Calif.*, Monterey); Piping Plover, 23 (*Fla.*, Panacea); Snowy Plover, 43 (*Calif.*, Monterey); Ringed Plover, 188 (*Fla.*, St. Petersburg); Wilson's Plover, 27 (*Fla.*, St. Petersburg); Mountain Plover, 346 (*Calif.*, Sacramento); Killdeer, 362 (*La.*, St. Francisville); Am. Golden Plover, 3 (*Calif.*, San Diego); Black-bellied Plover, 472 (*Calif.*, San Diego); Surf-bird, 41 (*Calif.*, Los Angeles); Ruddy Turnstone, 502 (*Fla.*, Daytona Beach); Black Turnstone, 72 (*Calif.*, Monterey); Am. Woodcock, 7 (*Ohio*, Warren); Wilson's Snipe, 85 (*Miss.*, Moon Lake); Long-billed Curlew, 378 (*Tex.*, Midland); Hudsonian Curlew, 24 (*Calif.*, Los Angeles); Spotted Sandpiper, 34 (*Fla.*, St. Petersburg); Solitary Sandpiper, 1 (*Calif.*, Oceanside-Carlsbad; *Tex.*, Harlingen); Wandering Tattler, 3 (*Calif.*, Orange Co., coastal); Willet, 5555 (*Calif.*, San Diego); Greater Yellow-legs, 165 (*Fla.*, Coot Bay); Lesser Yellow-legs, 463 (*Fla.*, Coot Bay); Red Knot, 46 (*Fla.*, St. Petersburg); Purple Sandpiper, 148 (*R. I.*, Newport Co.); Pectoral Sandpiper, 3 (*La.*, Sabine Refuge); White-rumped Sandpiper, 1 (*R. I.*, Newport Co.); Baird's Sandpiper, 1 (*Tex.*, Brownsville); Least Sandpiper, 51,000 (*Fla.*, Coot Bay); Red-backed Sandpiper, 3500 (*N. J.*, Cape May); Dowitcher, 6130 (*Calif.*, Oakland); Stilt Sandpiper, 37 (*Fla.*, Daytona Beach); Semipalmated Sandpiper, 52,000 (*Fla.*, Coot Bay); Western Sandpiper, 1535 (*Calif.*, Orange Co., coastal); Marbled Godwit, 2800 (*Calif.*, Morro Bay); Sanderling, 1141 (*Calif.*, Oakland); Am. Avocet, 2300 (*Calif.*, San Jose); Black-necked Stilt, 12 (*Tex.*, Harlingen); Red Phalarope, 10 (*Calif.*, Monterey).

Glaucous Gull, 4 (*Ont.*, Hamilton); Iceland Gull, 3 (*Que.*, Quebec); Glaucous-winged Gull, 2874 (*Calif.*, Oakland); Great Black-backed Gull, 736 (*Mass.*, Cape Ann); Western Gull, 996 (*Calif.*, San Francisco); Herring Gull, 48,582 (*Mass.*, Quincy); California Gull, 3022 (*Calif.*, San Francisco); Ring-billed Gull, 8972 (*Fla.*, St. Petersburg); Short-billed Gull, 1060; (*Oreg.*, Portland); Black-headed Gull, 1 (*N. Y.*, Manhattan; *N. J.*, Raritan Estuary; *R. I.*, Southern Kingston; *Mass.*, Newburyport); Laughing Gull, 1304 (*Tex.*, Galveston); Franklin's Gull, 2 (*Wis.*, Milwaukee); Bonaparte's Gull, 4720 (*N. Y.*, Brooklyn, L. I.); Little Gull, 2 (*N. Y.*, Buffalo); Heermann's Gull, 262 (*Calif.*, Los Angeles); Black-legged Kittiwake, 19 (*Mass.*, Cape Ann); Gull-billed Tern, 48 (*Tex.*, Laguna Atascosa Refuge); Forster's Tern, 500 (*La.*, Grand Island); Common Tern, 25 (*Fla.*, Cedar Key); Least Tern, 6 (*Tex.*, Brownsville); Royal Tern, 338 (*Fla.*, St. Petersburg); Cabot's Tern, 80 (*Fla.*, St. Petersburg); Caspian Tern, 203 (*N. C.*, Wilmington); Black Skimmer, 2000 (*Tex.*, Galveston); Razor-billed Auk, 2 (*Mass.*, Cape Ann); Common Murre, 19 (*Calif.*, Monterey);

Brünnich's Murre, 1 (*Mass.*, Sape Ann; *N. Y.*, Southern Nassau Co., L. I.); Dovekie, 2 (*Me.*, Mt. Desert Island); Black Guillemot, 11 (*Me.*, Mt. Desert Island); Pigeon Guillemot, 1 (*Calif.*, San Francisco); Ancient Murrelet, 35 (*Calif.*, Monterey); Cassin's Auklet, 1 (*Calif.*, Monterey).

Band-tailed Pigeon, 45 (*Calif.*, Morro Bay); Mourning Dove, 475 (*Calif.*, San Diego); Spotted Dove, 108 (*Calif.*, Pasadena); Ringed Turtle Dove, 264 (*Calif.*, Los Angeles); White-winged Dove, 10 (*Ariz.*, Tucson); Ground Dove, 86 (*Fla.*, Miami); Ruddy Ground Dove, 1 (*Tex.*, Harlingen); Inca Dove, 277 (*Ariz.*, Tucson); White-fronted Dove, 19 (*Tex.*, Harlingen); Road-runner, 7 (*Ariz.*, Santa Catalina Mountains); Barn Owl, 12 (*Del.*, Bombay Hook Refuge); Screech Owl, 9 (*N. Y.*, Buffalo); Horned Owl, 12 (*Ont.*, Hamilton); Snowy Owl, 8 (*Mass.*, Newburyport); Hawk Owl, 1 (*Man.*, Winnipeg); Pygmy Owl, 1 (*Calif.*, Yosemite National Park); Burrowing Owl, 10 (*Fla.*, Miami); Barred Owl, 12 (*La.*, St. Francisville); Spotted Owl, 1 (*N. Mex.*, Estancia); Long-eared Owl, 27 (*Wis.*, Milwaukee); Short-eared Owl, 9 (*N. Dak.*, Des Lacs Refuge); Saw-whet Owl, 1 (*Ohio*, Dayton; *Pa.*, Richboro; *N. Y.*, Croton Point, Port Chester, Southern Nassau Co.; *Mass.*, Newburyport; *Ont.*, Hamilton, Toronto).

Chuck-will's-widow, 1 (*La.*, Grand Island; *Fla.*, Coot Bay); Whip-poor-will, 3 (*Fla.*, Miami); Pauraque, 12 (*Tex.*, Harlingen); White-throated Swift, 40 (*Ariz.*, Tucson); Ruby-throated Hummingbird, 14 (*Fla.*, Miami); Black-chinned Hummingbird, 3 (*Calif.*, Los Angeles); Anna's Hummingbird, 159 (*Calif.*, Los Angeles); Rufous Hummingbird, 1 (*Ariz.*, Tucson); Buff-bellied Hummingbird, 1 (*Tex.*, Harlingen); Belted Kingfisher, 109 (*Fla.*, Monroe); Green Kingfisher, 18 (*Tex.*, Harlingen); Yellow-shafted Flicker, 132 (*Ohio*, Cincinnati); Red-shafted Flicker, 159 (*Oreg.*, Portland); Gilded Flicker, 20 (*Ariz.*, Santa Catalina Mountains); Pileated Woodpecker, 29 (*Fla.*, St. Marks Refuge); Red-bellied Woodpecker, 105 (*La.*, St. Francisville); Golden-fronted Woodpecker, 50 (*Tex.*, Harlingen); Gila Woodpecker, 121 (*Ariz.*, Santa Catalina Mountains); Red-headed Woodpecker, 40 (*Ark.*, White River Refuge); Acorn Woodpecker, 59 (*Calif.*, Pasadena); Lewis's Woodpecker, 18 (*Colo.*, Ft. Collins); Yellow-bellied Sapsucker, 38 (*La.*, St. Francisville); Williamson's Sapsucker, 3 (*Calif.*, Big Bear Lake); Hairy Woodpecker, 42 (*Ill.*, Pere Marquette State Park); Downy Woodpecker, 231 (*Ohio.*, Cincinnati); Ladder-backed Woodpecker, 29 (*Tex.*, Harlingen); Nuttall's Woodpecker, 14 (*Calif.*, Los Angeles); Arizona Woodpecker, 2 (*Ariz.*, Santa Catalina Mountains; *N. Mex.*, Coronado National Forest); Red-cockaded Woodpecker, 17 (*N. C.*, Wilmington); White-headed Woodpecker, 1 (*Calif.*, Big Bear Lake, Yosemite National Park).

Eastern Kingbird, 1 (*Fla.*, St. Petersburg); Tropical Kingbird, 1 (*Tex.*, Harlingen); Western Kingbird, 1 (*Fla.*, Monroe); Cassin's Kingbird, 11 (*Calif.*, Oceanside-Carlsbad); Derby Flycatcher, 106 (*Tex.*, Harlingen); Crested Flycatcher, 21 (*Fla.*, Coot Bay); Eastern Phoebe, 56 (*Tex.*, Harlingen); Black Phoebe, 125 (*Calif.*, Los Angeles); Say's Phoebe, 13 (*Calif.*, Morro Bay); Gray Flycatcher, 4 (*Ariz.*, Salt River); Western Flycatcher, 2 (*Calif.*, Los Angeles); Coues's Flycatcher, 1 (*Ariz.*, Santa Catalina Mountains); Eastern Wood Pewee, 3 (*Fla.*, Miami); Vermilion Flycatcher, 65 (*Tex.*, Harlingen); Beardless Flycatcher, 6 (*Ariz.*, Santa Catalina Mountains); Horned Lark, 500 (*N. Mex.*, Coronado National Forest); Violet-green Swallow, 201 (*Ariz.*, Imperial Refuge); Tree Swallow, 1300 (*Fla.*, Jacksonville); Rough-winged Swallow, 40 (*Ariz.*, Imperial Refuge).

Gray Jay, 1 (*Wyom.*, Casper); Blue Jay, 339 (*Tenn.*, Memphis); Steller's Jay, 209 (*Calif.*, Yosemite National Park); Scrub Jay, 157 (*Calif.*, Los Angeles); Arizona Jay, 85 (*Tex.*, Big Bend National Park); Green Jay, 59 (*Tex.*, Harlingen); Am. Magpie, 352 (*Wyom.*, Casper); Yellow-billed Magpie, 116 (*Calif.*, Sacramento); Common Raven, 171 (*Nev.*, Ruby Lake Refuge); White-necked Raven, 242 (*Tex.*, El Paso); Am. Crow, 16 (*Tenn.*, Greeneville); Fish Crow, 1531 (*N. C.*, Wilmington); Piñon Jay, 100 (*Calif.*, Big Bear Lake); Clark's Nutcracker, 25 (*Calif.*, Big Bear Lake).

Black-capped Chickadee, 600 (*Mass.*, Cape Cod); Carolina Chickadee, 405 (*Ohio*, Sugar Grove); Mountain Chickadee, 318 (*Calif.*, Big Bear Lake); Chestnut-backed Chickadee, 151 (*Calif.*, San Francisco); Tufted Titmouse, 276 (*Ohio*, Cincinnati); Black-crested Titmouse, 95 (*Tex.*, Big Bend National Park); Plain Titmouse, 101 (*Calif.*, Los Angeles); Bridled Titmouse, 18 (*Ariz.*, Tucson); Verdin, 45 (*Ariz.*, Tucson); Common Bushtit, 633 (*Calif.*, Los Angeles); White-breasted Nuthatch, 192 (*N. J.*, Ridgewood); Red-breasted Nuthatch, 26 (*Wash.*, Spokane); Brown-headed Nuthatch, 68 (*N. C.*, Wilmington); Pygmy Nuthatch, 167 (*Wash.*, Spokane); Brown Creeper, 49 (*Calif.*, Yosemite National Park).

Wren-tit, 205 (*Calif.*, Los Angeles); Am. Dipper, 6 (*Utah*, Salt Lake City); House Wren, 49 (*Fla.*, St. Petersburg); Winter Wren, 34 (*Tenn.*, Memphis); Bewick's Wren, 43 (*Calif.*, Oakland); Carolina Wren, 149 (*Tenn.*, Memphis); Cactus Wren, 70 (*Ariz.*, Tucson); Long-billed Marsh Wren, 40 (*La.*, Sabine Refuge); Short-billed Marsh Wren, 14 (*Md.*, Southern Dorchester Co.); Cañon Wren, 16 (*Tex.*, Big Bend National Park); Rock Wren, 32 (*Tex.*, Big Bend National Park); Mockingbird, 290 (*Tex.*, Laguna Atascosa Refuge); Catbird, 66 (*Fla.*, Coot Bay); Brown Thrasher, 129 (*La.*, St. Francisville); Sennett's Thrasher, 29 (*Tex.*, Harlingen); Bendire's Thrasher, 12 (*Ariz.*, Tucson); Curve-billed Thrasher, 81 (*Ariz.*, Tucson); California Thrasher, 98 (*Calif.*, Los Angeles); Crissal Thrasher, 12 (*Ariz.*, Tucson); Sage Thrasher, 19 (*Tex.*, Laguna Atascosa Refuge).

Am. Robin, 2000 (*Calif.*, Big Bear Lake); Va-

ried Thrush, 90 (*Calif.*, Oakland); Hermit Thrush, 60 (*N. J.*, Cape May); Gray-cheeked Thrush, 1 (*Ala.*, Birmingham); Eastern Bluebird, 215 (*Ga.*, Sherwood and Birdsong Plantations); Western Bluebird, 470 (*Ariz.*, Santa Catalina Mountains); Mountain Bluebird, 471 (*Ariz.*, Tucson); Townsend's Solitaire, 202 (*N. Mex.*, Santa Fe); Blue-gray Gnatcatcher, 198 (*La.*, Sabine Refuge); Black-tailed Gnatcatcher, 7 (*Ariz.*, Santa Catalina Mountains); Golden-crowned Kinglet, 296 (*Oreg.*, Portland); Ruby-crowned Kinglet, 330 (*La.*, St. Francisville); Water Pipit, 458 (*Tex.*, Houston); Sprague's Pipit, 15 (*Tex.*, Laguna Atascosa Refuge); Bohemian Waxwing, 233 (*Wash.*, Spokane); Cedar Waxwing, 370 (*Fla.*, Panacea); Phainopepla, 21 (*Ariz.*, Santa Catalina Mountains); Gray Shrike, 4 (*Wash.*, Spokane); Loggerhead Shrike, 209 (*La.*, St. Francisville); Common Starling, 80,000 (*N. Y.*, Manhattan Island).

White-eyed Vireo, 19 (*Fla.*, Monroe); Hutton's Vireo, 14 (*Calif.*, Monterey); Gray Vireo, 1 (*Tex.*, Big Bend National Park); Yellow-throated Vireo, 3 (*Fla.*, St. Petersburg); Solitary Vireo, 25 (*Fla.*, Miami); Warbling Vireo, 1 (*Tex.*, Harlingen); Black and White Warbler, 11 (*Tex.*, Harlingen); Orange-crowned Warbler, 57 (*La.*, Grand Island); Nashville Warbler, 24 (*Tex.*, Laguna Atascosa Refuge); Parula Warbler, 9 (*Fla.*, Coot Bay); Sennett's Warbler, 1 (*Tex.*, Harlingen); Olive Warbler, 4 (*Ariz.*, Santa Catalina Mountains); Black-throated Blue Warbler, 3 (*Fla.*, Miami); Myrtle Warbler, 5902 (*N. J.*, Cape May); Audubon's Warbler, 1533 (*Calif.*, Los Angeles); Black-throated Gray Warbler, 3 (*Tex.*, Harlingen); Townsend's Warbler, 13 (*Calif.*, Monterey); Black-throated Green Warbler, 8 (*Tex.*, Harlingen); Yellow-throated Warbler, 6 (*Fla.*, Miami); Pine Warbler, 89 (*N. C.*, Wilmington); Prairie Warbler, 16 (*Fla.*, Miami); Palm Warbler, 902 (*Fla.*, St. Petersburg); Oven-bird, 4 (*Fla.*, Miami); Northern Water-thrush, 5 (*Fla.*, Coot Bay); Kentucky Warbler, 1 (*Fla.*, Coot Bay); Common Yellowthroat, 154 (*Fla.*, Monroe); Yellow-breasted Chat, 1 (*Mass.*, Newburyport, Lynn; *Tex.*, Harlingen); Black-capped Warbler, 7 (*Calif.*, Los Angeles).

House Sparrow, 12,000 (*N. Y.*, Brooklyn, L. I.); European Tree Sparrow, 21 (*Mo.*, Portage des Sioux); Eastern Meadowlark, 1720 (*Md.*, Ocean City); Western Meadowlark, 500 (*Calif.*, Sacramento); Yellow-headed Blackbird, 3602 (*Ariz.*, Tucson); Red-winged Blackbird, 500,000 (*Md.*, Susquehanna Flats); Tricolored Blackbird, 50 (*Calif.*, Monterey); Audubon's Oriole, 11 (*Tex.*, Harlingen); Alta Mira Oriole, 2 (*Tex.*, Harlingen); Hooded Oriole, 3 (*Tex.*, Harlingen); Baltimore Oriole, 1 *Ohio.*, Youngstown; *N. Y.*, Jamestown; *N. J.*, Ridgewood); Rusty Blackbird, 750 (*Tenn.*, Jackson); Brewer's Blackbird, 18,500 (*Tex.*, Houston); Boat-tailed Grackle, 12,500 (*Tex.*, Houston); Purple Grackle, 50,000 (*Md.*, Susquehanna Flats); Brown-headed Cowbird, 35,700 (*Tex.*, Houston); Bronzed Cowbird, 26 (*Tex.*, Harlingen).

Cardinal, 698 (*Ohio*, Cincinnati); Pyrrhuloxia, 40 (*Ariz.*, Tucson); Rose-breasted Grosbeak, 1 (*Conn.*, New London); Black-headed Grosbeak, 2 (*Tex.*, El Paso); Indigo Bunting, 1 (*Ill.*, Pere Marquette State Park; *Tex.*, Harlingen); Painted Bunting, 29 (*Fla.*, Miami); Evening Grosbeak, 130 (*Utah*, Salt Lake City); Purple Finch, 213 (*Ont.*, Toronto); Cassin's Finch, 43 (*Ariz.*, Tucson); House Finch, 1705 (*Calif.*, Los Angeles); Sharpe's Seedeater, 53 (*Tex.*, Harlingen); Pine Grosbeak, 14 (*Que.*, Hudson Heights); Gray-crowned Rosy Finch, 80 (*Wyom.*, Casper); Black Rosy Finch, 35 (*Utah*, Salt Lake City); Common Redpoll, 1160 (*Utah*, Salt Lake City); Pine Siskin, 1807 (*Utah*, Salt Lake City); Am. Goldfinch, 645 (*Tex.*, Houston); Lesser Goldfinch, 380 (*Calif.*, San Jose); Lawrence's Goldfinch, 351 (*Ariz.*, Tucson); Red Crossbill, 115 (*Nebr.*, Lincoln Parks); White-winged Crossbill, 67 (*Ont.*, Paudash Lake).

Tree Sparrow, 48 (*Tex.*, Harlingen); Green-tailed Towhee, 23 (*Tex.*, Big Bend National Park); Eastern Towhee, 181 (*W. Va.*, Charleston); Spotted Towhee, 143 (*Oreg.*, Portland); Brown Towhee, 574 (*Calif.*, Los Angeles); Abert's Towhee, 22 (*Ariz.*, Tucson); Lark Bunting, 1991 (*Tex.*, Midland); Ipswich Sparrow, 7 (*R. I.*, Newport Co.; *N. J.*, Barnegat); Savannah Sparrow, 430 (*Tex.*, Harlingen); Grasshopper Sparrow, 5 (*Okla.*, Oklahoma City); Baird's Sparrow, 6 (*Tex.*, Big Spring); Leconte's Sparrow, 7 (*Miss.*, Moon Lake); Henslow's Sparrow, 10 (*Tex.*, Ft. Worth); Sharp-tailed Sparrow, 24 (*Fla.*, St. Marks Refuge); Seaside Sparrow, 640 (*La.*, Grand Island); Vesper Sparrow, 147 (*N. Mex.*, Coronado National Forest); Lark Sparrow, 227 (*Ariz.*, Tucson); Rufous-winged Sparrow, 11 (*Ariz.*, Tucson); Rufous-crowned Sparrow, 26 (*Tex.*, Big Bend National Park); Pine-woods Sparrow, 14 (*Fla.*, Northwest Manatee Co.); Cassin's Sparrow, 9 (*Tex.*, Harlingen); Sage Sparrow, 5 (*Calif.*, Sacramento); White-winged Junco, 8 (*Colo.*, Lyons); Slate-colored Junco, 2257 (*N. C.*, Greensboro); Oregon Junco, 1732 (*Oreg.*, Portland); Gray-headed Junco, 210 (*Tex.*, Big Bend National Park); Arizona Junco, 21 (*Ariz.*, Santa Catalina Mountains); Am. Tree Sparrow, 1257 (*Pa.*, Lititz); Chipping Sparrow, 611 (*Ariz.*, Santa Catalina Mountains); Clay-colored Sparrow, 197 (*Tex.*, Harlingen); Brewer's Sparrow, 171 (*Ariz.*, Tucson); Field Sparrow, 905 (*N. C.*, Greensville); Black-chinned Sparrow, 72 (*Ariz.*, Santa Catalina Mountains); Harris's Sparrow, 269 (*Kans.*, Newton); White-crowned Sparrow, 1224 (*Ariz.*, Tucson); Golden-crowned Sparrow, 133 (*Calif.*, Monterey); White-throated Sparrow, 1575 (*Md.*, Ocean City); Fox Sparrow, 288 (*N. C.*, Wilmington); Lincoln's Sparrow, 60 (*Tex.*, Harlingen); Swamp Sparrow, 220 (*Md.*, Southern Dorchester Co.); Song Sparrow, 832 (*Oreg.*, Portland); McCown's Longspur, 50 (*Tex.*, Denton); Lapland Longspur, 950 (*Iowa*, Sanborn); Chestnut-collared Longspur, 405 (*N. Mex.*, Coronado National Forest); Snow Bunting, 625 (*Ont.*, Kingston).